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# VAUGHAN'S SEEDS



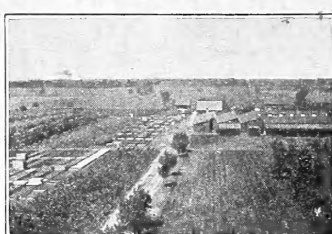
1917  
40<sup>TH</sup> YEAR

HELICHRYSUM  
(Everlasting Straw Flower)  
Vaughan's Special Mixture

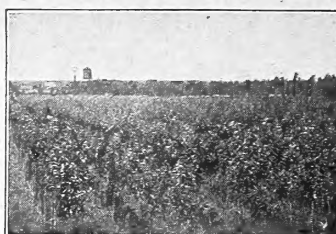
**CHICAGO**  
Nos 31-33 W. RANDOLPH ST.



ONE OF OUR PEONY FIELDS



PROPAGATING FRAMES, PACKING SHEDS



A BLOCK OF APPLE TREES



ROW AFTER ROW OF BLUE SPRUCE

## How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

**Early Orders** Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders sent as early as possible secure the promptest shipment and from our complete stocks.

**Daily filling of seed store orders is the Vaughan rule.**

**Order Sheets** Use the order sheets accompanying this catalogue. One for Seeds, Bulbs and Garden Sundries, the other for Trees, Plants and other Nursery Stock. Please fill in all particulars carefully and distinctly and keep a copy of your order.

**Seed and Bulb Orders** should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

**Plant and Tree Orders** should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out.

**All Trees Shrubs and Hardy Plants** are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) Mention in your order shipping instructions and date required.

**Mistakes** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

**Parcel Post Fourth Class Mail Matter**, which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

**Express Shipments** General orders for garden seeds, where peas, beans and corn form a large proportion, are best sent this way. Orders over 5 lbs. weight going to 5th Zone and beyond, will travel cheaper than by parcel post.

**How to Send Money** Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

## Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays Free. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points we add free, special new varieties of value to partly cover increased postage or express charges.

## Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound and pound; also two pound lots of Peas and Beans and pints and quarts of Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned prepaid for 5c per lb. or pint and 10c per qt. additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

We advise for safety against injury, to use express shipments on parcels weighing over 15 lbs.

## Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

## Our Terms

with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

## Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised, or seeds may be returned.

We wish it understood that all our stocks are sold under the following general non warranty:

**We Do Not Warrant** in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.



One would imagine that these old-fashioned flowers were too out of date to ever gain a "Colored Portrait" on the front cover of a modern-day Seed Catalogue.

Tho' old fashioned, they are old favorites, displaying many entirely new features and colors that will delight those who have never grown them, and perhaps surprise those who have temporarily discarded them.

Their simplicity of culture, their new and exquisite colors, either in the garden or adorning the home during the dreary winter months, has won for them this publicity in our 1917 Catalogue.

### VAUGHAN'S SPECIAL MIXTURE

This mixture of Helichrysum is an improved larger-flowered strain containing many new and exquisite shades.

Price per pkt., 15c; 1/4 oz., 25c.

### COLLECTIONS OF EVERLASTINGS

1 Pkt. each Acroclinium mixed; Ammobium, Gomphrena mixed, Rhodanthem mixed, Helichrysum mixed (regular 5c pkt.), and Xeranthemum mixed. Price—6 Pkts. for 25c (postpaid). See also page 78.

### DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof.	5c.	1c.
Second Zone within 50 to 150 miles of either .....	5c.	1c.
Third Zone within 150 to 300 miles .....	6c.	2c.
(See our prepaid offer above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles .....	7c.	4c.
Fifth Zone within 600 to 1000 miles .....	8c.	6c.
Sixth Zone within 1000 to 1400 miles .....	9c.	8c.
Seventh Zone within 1400 to 1800 miles .....	11c.	10c.
Eighth Zone all over 1800 miles and Canada .....	12c.	12c.

**NOTE.**—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.



# VAUGHAN'S SEED STORE

## CHICAGO-NEW YORK

### *The Coming of Spring*



**A**DAM was a gardener, and all his race seem to have been born with a love of the soil. With each recurring springtime comes a re-awakening of this original instinct to dig the ground and plant the vital seed in the inviting and receptive earth. And every spring is a new one; the bursting of the buds, the greening of the woods and fields as the soft breezes come northward in an April night, give to every man a sense of Nature new born and newness of life and ambition in himself. Here is another chance for the sower of seed to make good, to mend old ways, to create new beauty and added values from the willing and patient soil; he looks for the best seeds, for better and rarer plants and the best and most labor-saving tools and books and counsel to guide.

Seed Catalogues have come to be considered indispensable reminders to each garden maker of the recurring opportunity to repair the mistakes or ill luck of the past summer, and hopefully plan again for a better out-of-door home.

It is the wish and pride of **Vaughan's Seed Store** to help; for forty years the spring edition of our **Gardening Illustrated** has been re-edited to eliminate seeds and plants of least value, to keep those of proven worth, and to add novelties of promise.

We, as seedsmen, would be recreant followers of a noble calling did we not strive to provide lovers of this "Art which doth mend Nature" with seeds, plants and flowers of such freshness and vitality as are worth planting, since poor seed is little better than seeds of weeds.

Our friends will, we trust, give this book a careful reading and find we have not failed to endorse especially those seeds, bulbs and plants which best withstand extremes of springtime cold and rain, and midsummer heat and burning drouth, and in spite of Nature's harsh mothering, recompense the planter.

We are not alone a source of supply but we advise and counsel freely and without charge. Our force in various departments contains experts for this side of our work and we invite you to ask for such information as may be needed.

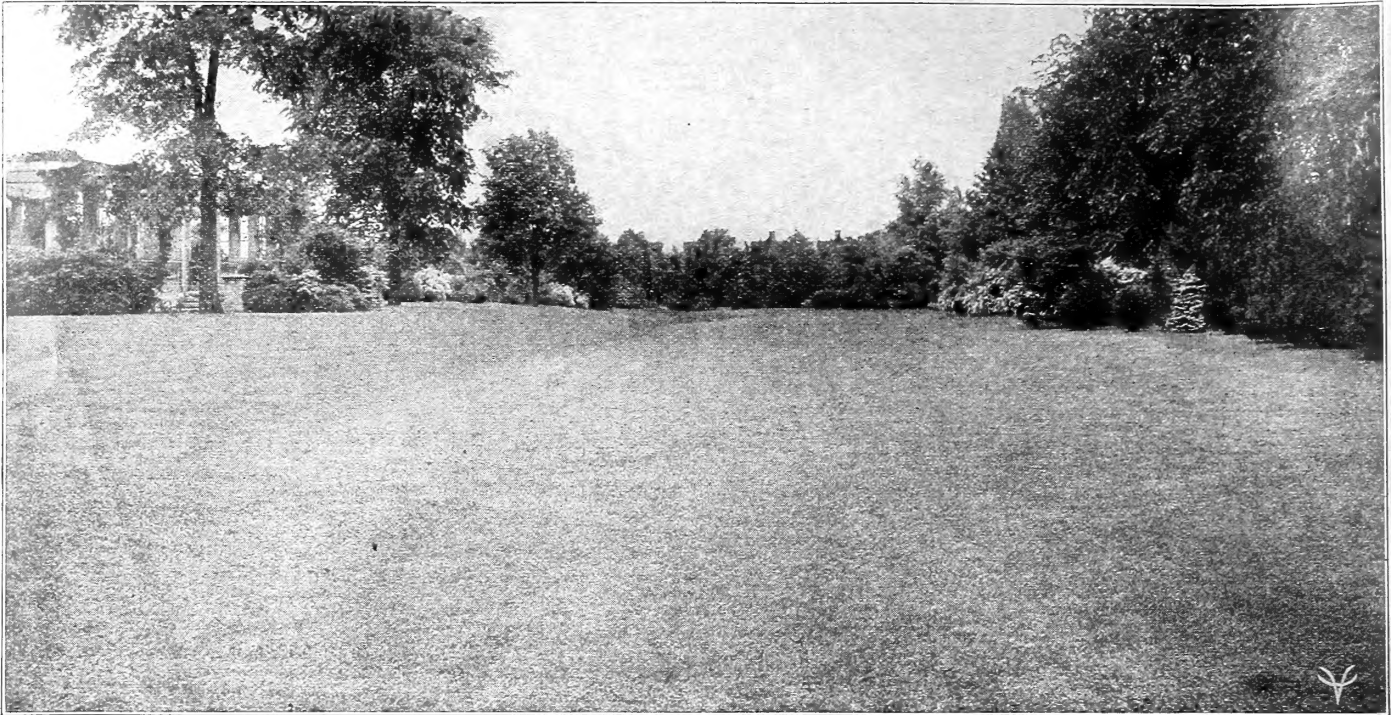
READ THE INDEX AT END, IT TELLS THE STORY



Five Gold Medals at  
San Francisco Exposition.



# BE SURE! PLANT VAUGHAN'S



## MOST EXTENSIVELY USED AND BEST



For more than a third of a century Vaughan's standard mixtures of grass seeds for different purpose lawns have given the greatest satisfaction, in sure and rapid growth and certainty in desired results.

The processes of cleaning, re-cleaning and testing for germination, not less than the care taken in selecting samples, the

finest the seasons and markets afford, have yielded a degree of uniformity in growth and quality, impossible of attainment with less complete facilities and knowledge of sources and methods.

Based on forty years of experience, our grass mixtures are most carefully and skillfully prepared to make beautiful velvety lawns a surety and rapid growth certain.

### FROM U. S. GOVERNMENT

#### A HINT TO THE WISE

Department of Agriculture, Washington, D. C., Bulletin 494

"In procuring seed for a lawn too great care cannot be exercised. Pure seed of high germination is of great importance in securing a good stand of grass.

"Pure Seed is the keynote to a clean lawn, provided the work of preparing the land has been efficiently done.

"Thorough preparation involves not merely the mechanical treatment of the soil to reduce it to a proper seed bed, but the use of weed-free manure and the adoption of a course of treatment previous to preparing for the lawn, which shall serve to eradicate weeds. Such preparation coupled with pure seed, should give a satisfactory stand of grass which should need only the usual care necessary to maintain a lawn after it is once established."

### IMPORTANT TO GOLFERS

The best turf grasses for golf links are produced in Europe; the war in progress there has interrupted the importation of these seeds; we sent and still have there a special buyer, who has kept the channel open for shipments to us, while the war goes on.

Golf clubs will find it to their advantage to get the **the latest prices from us**, for these grasses.

Our advice service is at your disposal free of charge; we welcome your inquiries.

### VAUGHAN'S PUTTING GREEN MIXTURE

Vaughan's Putting Green Mixture produces the best growth of firm turf adapted to the requirements of the putting green. We make a specialty of adapting it to the conditions of different soils, by the experience of our experts. Do your "Putting" on Vaughan grass. One lb. sows 350 to 400 square feet.

Price, 1 lb. 40c; 5 lbs. \$1.85; 50 lbs. \$15.50; 100 lbs. \$30.00.

### VAUGHAN'S "GOLF LINK" FAIR GREEN GRASS

The grasses in this mixture endure wear and tear, and retain a fine appearance, which adds much to the pleasure of the game.

Price, 1 lb. 30c; 5 lbs. \$1.25; 50 lbs. \$12.00; 100 lbs. \$22.50. Special prices on large quantities.

**Special Quotation.**—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

### VAUGHAN'S TENNIS LAWN MIXTURE

Vaughan's Mixture for Tennis Lawns is the best there is for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new lawn or bowling green; 15 lbs. to 20 lbs. to improve existing turf. Price, lb. 30c; 5 lbs. \$1.35; 15 lbs. \$3.95; 25 lbs. \$6.45; 50 lbs. \$12.75; 100 lbs. \$25.00.

Cultural leaflet—"How To Make a Lawn" FREE with order.

#### QUANTITIES OF SEED TO USE

25 lbs. for one-fourth acre.....	1 lb. for 350 square ft.
50 lbs. for one-half acre.....	5 lbs. for 1,750 square ft.
100 lbs. for one acre.....	10 lbs. for 3,500 square ft.
	15 lbs. for 4,250 square ft.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

### VAUGHAN'S LAWN FERTILIZER

The high-grade fertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which, grass, being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye. Manure has undoubtedly the soil enriching quality, but it also has the serious objections of being unsightly, and has an offensive odor, but worst of all, it contains many weed seeds.

Vaughan's excellent Lawn Fertilizer does your work better and eliminates a lot of your weed troubles.

**DIRECTIONS:** Make first application in early Spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

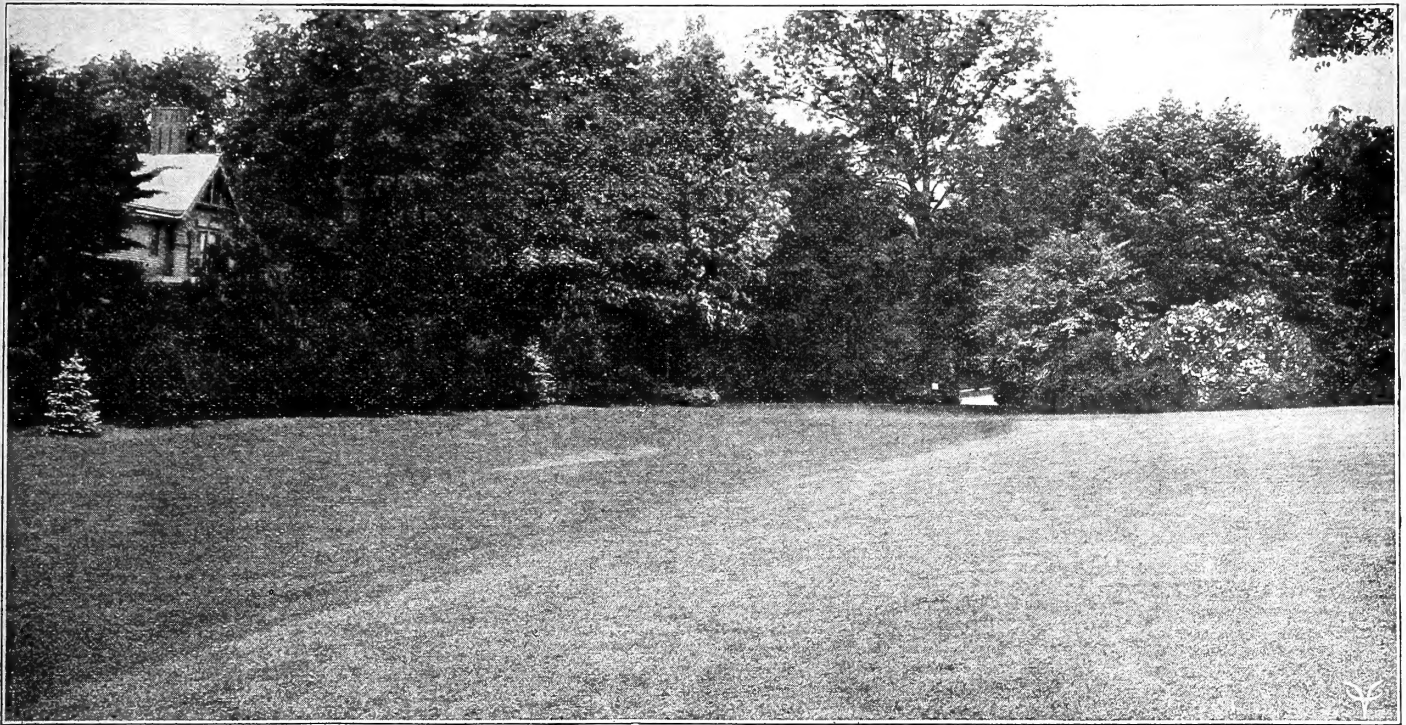
Price, 5 lbs. 35c; 10 lbs. 55c; 25 lbs. \$1.10; 50 lbs. \$1.90; 100 lbs. \$3.25; 200 lbs. \$6.00; 500 lbs. 13.00; 1,000 lbs. \$24.00; 2,000 lbs. \$46.00.

**HARDWOOD ASHES** This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds.

Price, 5 lbs. 15c; 25 lbs. 60c; 50 lbs. 95c; 100 lbs. \$1.50; 500 lbs. \$5.00; 1000 lbs. \$9.25; ton, \$18.00.



# CHICAGO PARKS LAWN SEED



## GENERAL PURPOSE LAWN MIXTURE

We also prepare special mixtures to meet various conditions of soil and climate. When requested to do so by our patrons, our book "How to Make a Lawn" will be mailed **free of charge** to interested inquirers.

For beautiful lawns in sunshine or shade, pretty grassy places or charming meadows, for extensive parks or hard-used

playgrounds, **Vaughan's Grass Seeds** and grass mixtures everywhere produce the highest results, both in picturesque beauty and serviceableness.

Vaughan's "Chicago Parks" and "Columbian" are the American Standards in lawn grass seeds.



### VAUGHAN'S "CHICAGO PARKS"

Quantities to Use—see opposite page

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf; and does so in the quickest time possible, with endurance considered, without the aid of cheap "quick showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest samples of evident purity and germination.

For a third of a century it has been standard in America, each year adding to its popularity and increased sales.

The great parks and beautiful cemeteries, where best results must be had in producing beautiful and enduring grass, Vaughan's "Chicago Parks" is used almost exclusively.

Many of the show places in New England, Long Island, New Jersey and throughout the "Middle West," Vaughan's "Chicago Parks" has produced those places of beauty.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned then re-cleaned, this applies to all the separate kinds of seed contained in the mixture, and each lot tested for germination, in the most painstaking and careful manner.

**Why buy CHEAP UNCLEANNED DEPT. STORE grass seed?**

Price, 1/2 lb. 20c; 1 lb. 30c; 3 lbs. 85c; 5 lbs. \$1.35; 10 lbs. \$2.65; 15 lbs. \$3.95; 20 lbs. \$5.25; 25 lbs. \$6.45; 50 lbs. \$12.75; 100 lbs. \$25.00. Postage 8c per lb. extra, if prepaid offer below does not apply.

### VAUGHAN'S SPECIAL GRASS MIXTURE

Contains large proportion of finer, more expensive grasses like Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra heavy samples, making weight 20 lbs. per bushel; produces turf of closest, finest texture. Sow 50 lbs. to acre. Price, per qt. 30c; bu. of 20 lbs. \$6.50.

**Special Prepaid Grass Seed Offer.** On all orders of Lawn Grass Seed amounting to \$2.00 and over we prepay transportation within 300 miles of Chicago or New York. See also Prepaid offer on inside front cover page.

### VAUGHAN'S "COLUMBIAN"

For Shady Lawns on Sandy Soil

**QUANTITY TO USE**—Sandy Soil, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs. for 4,000 square feet; 15 lbs. for 6,000 square feet; 25 lbs. for one-fourth acre; 100 lbs. for one acre.

On sandy soil and in shade, conditions are met with when making a lawn, which require the use of a special kind of grass seed.

To provide **sure and beautiful** lawn grass under such conditions Vaughan's "Columbian" has been grown and specially prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the U. S. justifies its use by every one who needs lawn grass for a shady place or for light sandy soil.

Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass.

Price, Lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.65; 15 lbs. \$3.95; 20 lbs. \$5.25; 25 lbs. \$6.45; 50 lbs. \$12.75; 100 lbs. \$25.00.

### VAUGHAN'S DEEP SHADE MIXTURE

Made up of most expensive fancy grass only, like Wood Meadow, Rough Stalked Meadow, Slender Fescue, etc.

Price, per lb. 50c; 5 lbs. \$2.35; per bu. of 20 lbs. \$8.00.

### Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burnt spots. Sow in **very early Spring** or in the Fall during September; also before every Summer rain, on thin places. Price, per qt. 30c; per bu. of 24 lbs. \$6.00.

### VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing after first season. Sow 50 lbs. to acre.

Price, per lb. 20c; 5 lbs. 90c; 100 lbs. \$15.00.

**Kentucky Blue Grass** we offer in two grades. Extra Fancy Seed, Sun-dried, twice re-cleaned. Very high germination. 1 lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.25; 100 lbs. \$18.00. Fancy Seed—Actual weight 21 lbs. per bu. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 100 lbs. \$14.50.

**Red Top Grass** Fancy Crop, very short. Solid seed, bushel 32 lbs. 1 lb. 25c; 10 lbs. \$2.00; 100 lbs. \$16.00. Common. Unhulled. Bushel 14 lbs. 1 lb. 15c; 10 lbs. \$1.25; 100 lbs. \$10.00.

**White Clover** Extra fancy seed. 1 lb. 75c; 3 lbs. \$2.10; 10 lbs. \$7.00. Add 8 cents per pound to above prices if wanted by mail.

# BANTAM EVERGREEN SWEET CORN



THE BEST OF ALL



## VAUGHAN'S BANTAM EVERGREEN

Sweeter than "Golden Bantam". A new sweet corn introduced by us now for the fourth year, and now running nearly true to type. It has proven itself a great success with our customers, enabling market growers to furnish merchantable size cobs of Sweet Corn, superior in quality to any other. **Vaughan's Bantam Evergreen** is the direct product of "Golden Bantam" crossed with "Stowell's Evergreen"; and not alone is it a credit to the parent sorts, but far out-classes them in sweetness and rich, tender quality. The cob is just the right size for eating and has nice appearance; this sort is sure in a few years, to out-strip other varieties in popularity; critics who regard Golden Bantam as "a bit too small" and "Stowell's Evergreen" as "a bit too large" find in **Bantam-Evergreen** a long-hoped-for Sweet Corn of the **right size and superior quality**. The kernels are plump, and full under an exceedingly tender cream-colored skin, that fairly melts in the mouth and yields a most exquisite and delicious flavor. This new Sweet Corn is grown and bred in New England the home of Sweet Corn, where it is declared to be the "sweetest corn ever eaten."

Pkt., 15c; pt., 40c; qt., 75c; 1/2 pk., \$2.35; peck., \$4.50.

Practically  
True  
To  
Type

THE  
GREATEST  
SWEET  
CORN YET  
INTRODUCED

VAUGHAN'S  
SEED STORE  
HAS DEVELOPED  
THIS CORN FROM  
"GOLDEN  
BANTAM"  
CROSSED WITH  
"STOWELL'S  
EVERGREEN"

IT IS A WINNER

Our  
Stock  
of  
Seed  
Is  
Short  
This  
Year—  
All  
Sweet  
Corn Is  
Short

WE WANT  
TO  
DISTRIBUTE  
WHAT WE  
HAVE  
WITH  
AS  
MANY  
GROWERS  
AS WE  
CAN—  
TRY IT

A VAUGHAN



# VAUGHAN'S BANTAM EVERGREEN CORN



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1917

On the following pages we list new varieties of vegetables we consider of merit, and also some particularly good or improved strains of standard sorts. In our opinion a fine stock of a standard much-planted vegetable is, as a general proposition, worth far more to the average planter than most of the novelties, unfixed and untried, foisted with alluring cuts and blatant descriptions on a trusting public. Our novelties are all sorts which we have given a thorough trial on our own grounds, and which

we have decided to be new and of merit. We regard the re-naming of "selected stocks" of old vegetables as being extremely confusing to the planter, and where we offer such, we do so under the name "improved," stating where such improvement lies as regards the standard type in the general trade.



This Sign indicates sorts which we grow ourselves or are especially grown for Vaughan's Seed Store.

## WE ARE LARGE GROWERS

Our Bush Beans are grown under our direct supervision or on our own farms in Central Michigan. We have been improving our stock for the past nine years and as a result of this work we are able to offer our customers strains of beans we know to be right. The superiority of our stocks of Beans is based on the following points.

**Trueness to Type.** Every field is carefully cleared of "off" plants, chance mixture in threshing eliminated by supervision; we are "line breeding." **Vigor**—our seed is selected to be as free from blight or anthracnose as possible, on account of this one point alone we were this year practically the only garden bean growers in the United States who had a fair crop. **Sample**—we put more expense on cleaning and picking beans than does any other firm.

For a complete list of Vaughan's Special Beans read pages 14 and 15.

### MICHIGAN WHITE WAX

Is a splendid new early Wax variety of the Dwarf Golden Wax type. It is one of the earliest Wax sorts. The pods are rich Golden Yellow and their flavor possesses the peculiar distinct high quality of "Golden Wax." The seed is white and when cooked the waxy pods keep their appetizing white appearance without the discoloration which so often occurs with Golden Wax or other colored beans.

Pkt., 10; lb., 40; 2 lbs., 75c; pk. (15 lbs.), \$4.50.

### SUTTON'S MASTERPIECE, Green Pod

A very popular variety among the private gardeners who force beans; also valuable as an exhibition sort. The pods are flat like Bountiful, but longer and thinner. Early in season and a heavy yielder.

Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

## CABBAGE DUTCH WINTER or HOLLANDER STOCK SEED

**Stock Seed.** The value of careful and scientific seed breeding nowhere shows to more advantage than in growing cabbage. A small amount of seed produces enough plants for the setting out of a large acreage. The seed cost thus is of minor importance, in view of the relative values of good seed and crop.

See photo. Note the poles marking stock seed heads.

Some years ago we made arrangements with a celebrated Danish Cabbage Seed Grower to raise for us a quantity of Stock Seed of the

Dutch Winter or Hollander (Short Stem). For a certain price he agreed to rogue or cull his seed cabbages until each plant was just like another—in other words, to grow for us in quantity just such a quality of seed as he, as a grower, would use for stock seed. Needless to say, this strain is now being grown exclusively for Vaughan's Seed Store. (See page 20.)

Price, Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; lb., \$4.10.

## NEW DISEASE RESISTANT

### HOLLANDER

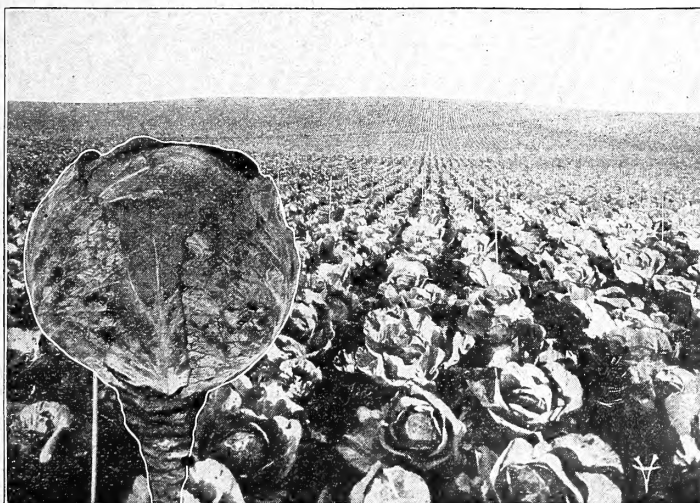
The Wisconsin Experiment Station have recently introduced a selected disease (Yellows) resistant strain of Hollander Cabbage into the Racine and other districts where cabbage growers have been greatly bothered with the "Yellows" in their crop. The selection is a big success. We are offering ½ oz. free for trial with every pound of Stock Seed Hollander purchased from us this year.

### CABBAGE, DANISH RED

#### STONEHEAD

The heads are hard, round and ball-shaped, very compact, and keep well into the winter. The red color is so intensely deep that a cross section shows very little white. In all sections where Danish White Cabbage, like "Ballhead" do well this will be found a very profitable sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



DUTCH WINTER OR HOLLANDER—Growing for Seed

## OF PURE BRED BUSH BEANS

### SURE CROP WAX

An extra early perfectly stringless flat Wax Bean. It might almost be called a Stringless Currie's Rust Proof. The pods are long and of Golden Yellow color which they assume, while still very small. The variety is extremely hardy and very prolific. The seed is black. Vines spreading out upright. We consider it the best first early Wax Bean.

Pkt., 10c; lb., 40c; 2 lbs., 75c; pk. (15 lbs.), \$4.00.

### STRINGLESS GREEN POD REFUGEE

The old Standard Green Pod Bean, Refugee, or 1,000 to 1 is about the heaviest yielding of all the green pod beans. It is handsome too, but is has strings. This new Stringless Refugee has all the good points of yield and appearance of the standard and is truly stringless. The pods are five inches long, fleshy, round, tender, brittle and stringless.

Pkt., 10c; lbs., 30c; 2 lbs., 60c; pk. (15 lbs.), \$3.25; 100 lbs., \$20.00.

### WEBBER WAX

A new sort recently introduced among the Chicago market gardeners. Of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The vine is upright and strong so that it holds the pods well off the ground, preventing discoloration. The pod, a long and a bright yellow color in shape; resembles Wardwell's Wax, but is rounder and more meaty. They make a most handsome appearance on the market. The color of the seed is yellow.

Price, Pkt., 10c; lb., 40c; 2 lbs., 75c; pk. (15 lbs.), \$4.50.

### VAUGHAN'S MONTSER STRINGLESS WAX

This is an early Wax variety with immense absolutely stringless pods. We offer by packet only. Each, 15c, 2 for 25c.

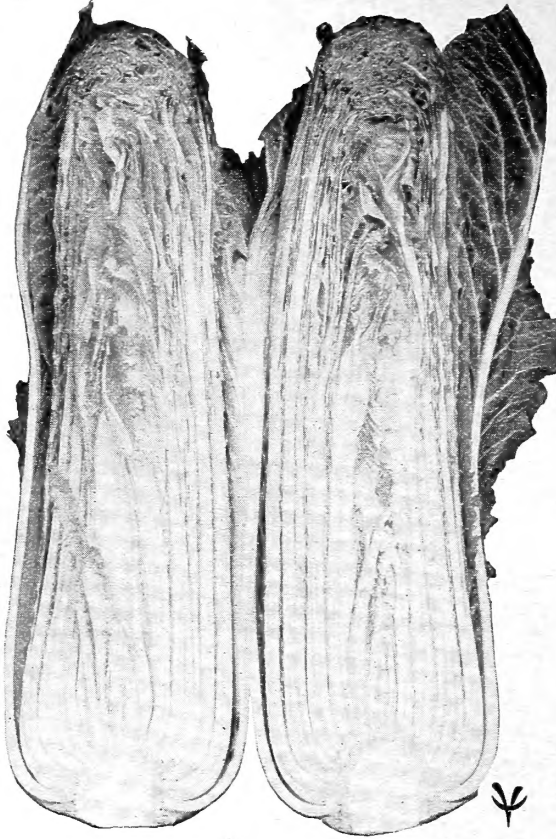
## COPENHAGEN MARKET

The earliest large round or flat-headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering it early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shaped and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. The entire crop can be harvested at one time and thus clear the field for other crops. In quality it is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in four years' time. A trade holder and a high money maker for the market gardener. Introducer's stock.

Pkt., 10c., ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; lb., \$4.00.

## CHINESE CABBAGE (PE TSAI) HAS CELERY FLAVOR

This exceptionally fine vegetable of the cabbage family, possesses some distinguishing characteristics which place it, as a cabbage, in a class entirely by itself. In shape, it is unlike any other familiar type of the cabbage family. Its habit of growth resembles Cos lettuce, and also resembles celery; while the outer leaves, except in their elongated shape, resemble ordinary cabbage leaves in general texture. When the outside leaves are stripped away, we see an appetizing picture of lettuce and celery combined, presenting a cool, crisp, inviting appearance well-nigh irresistible. The accompanying illustration reveals the splendid development of Vaughan's strain of this remarkable home garden and market garden product. Note the compact, tightly folded together leaves; their beautiful whiteness and crisp appearance. Quite equal to the appearance



is the exquisite mild flavor of this fine vegetable when eaten.

Shredded and served raw, it out-classes the finest cabbage slaw, or with dressing, the best raw cabbage salad; its tenderness and mild flavor make it peculiarly appetizing. It may also enter into a combination salad, by stripping the leaves from the central stalks and cutting up the stalks as with celery, for which it makes an excellent substitute.

The stalks when stripped to appear like celery, will be eaten with an equal zest. When cooked in any of the ways in which ordinary cabbage is used, it not only equals, but in some respects surpasses the latter.

Do not plant until early July as early plantings run to seed.

Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; lb., \$4.25.

### EARLY IOWA SWEET CORN

This is a **Vaughan Special**, which in middle-west conditions produces the **earliest sweet corn of marketable size**. It is a week **earlier** than **Red or White**



**Cory.** The continuous effort to produce something better, in **sweet corn** has given us **Early Iowa**.

The stalks are short, with little foliage and usually have 2 ears to a stalk; the ears contain a cob of 8 rows of fine, tender, sweet, juicy corn, that makes eating a delight. **Early Iowa** is a combination of size and earliness in sweet corn to constitute a desirable product for any home or market garden—the stock we sell is grown on our own farm in Michigan. Pkt., 10c; pt., 25c; qt., 45c; 4 qts., \$1.25; pk., \$2.25; 100 lbs., \$18.00.

### A NEW LATE SWEET CORN

**Narrow Grained Evergreen.** A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners. Pkt., 10c; pt. 35c; qt., 70c; ½ pk. \$2.15; pk., \$4.00.

growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each, which are small, slender, 12 rowed, white cob ears. The kernels are shallow and sweet. We have **specialized in this variety**. Our stock has been carefully re-selected and the crop harvested on our Michigan farm.

Grown in that latitude insures an **extra early strain**—and the care we give insures the very utmost in excellence of quality. **Malakoff**, under most conditions is the **earliest good quality sweet corn**. Pkt., 10c; pt. 25c; qt., 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.

### GOLDEN CREAM (A Late Yellow)

A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. For a succession in the home garden, plant Golden Bantam, Bantam Evergreen and Golden Cream. All yellow corns.

Pkt., 10c; pt., 35c; qt., 70c; ½ pk., \$2.15; pk., \$4.00.

## Three New and Distinct Lettuces

### BLACK SEEDED BIG BOSTON

An improved **shipping strain** of the **Big Boston**. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. This lettuce is in great demand in large Southern lettuce sections.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

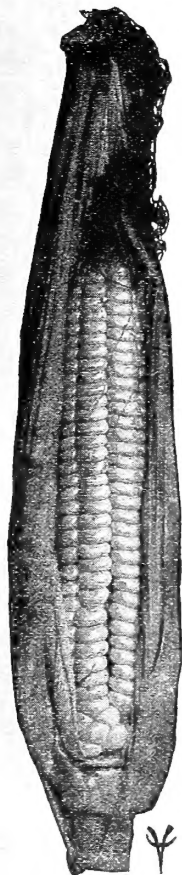
### WAYAHEAD

Very early head lettuce, in season about time of "May King." Is larger than May King, and its color is more attractive. The head is of fine golden yellow, and the outer leaves a beautiful light-green; for an early variety it is slow to run to seed. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

### CENTRAL MARKET FORCING

An almost ideal hot-bed forcing lettuce, dainty, crisp, hard heads and the first to form. Our private estate trade are very enthusiastic about this sort.

Pkt., 10c; ½ oz., 25c; oz., 35c.



EARLY IOWA

Vaughan's Novelties in all departments of Horticulture are looked for by America's most critical gardeners. Five gold medals awarded at the Panama-Pacific Exposition.

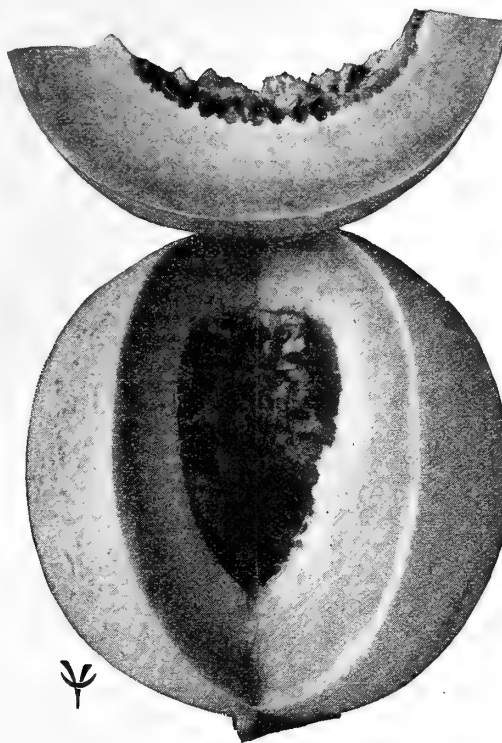


## NEW MELON—HONEY DEW

There is a somewhat vague story of the first seed of this melon having come from some place in Africa. But its association with American soil and American melons, makes it immediately interesting to seedsmen in the United States.

In our trial grounds we have produced specimens of this melon, and the accompanying illustration gives a good idea of its appearance whole, and a sectional view.

It will be observed that the surface is very different from the cantaloupes (musk-melons with which everyone is familiar), in that the surface of this is almost smooth. But it has a distinct Rocky Ford flavor, with which it seems to have been crossed; there may have been crosses with others also to secure the combined character, which the melons had, that attracted our attention first. After trials, we now have the merits of this new type of muskmelon before us and offer to our customers the class of seed which produced the melon shown in the illustration.



The skin is a very delicate yellow; surface almost perfectly smooth, with incidental warts in scattered fashion. The rind is thin, but very firm, which makes it a **good shipper**; the flesh is very thick, and in color, blends from a near white at the rind to the daintiest of emerald-greens at the seed cavity, which is of medium capacity. The flesh is crisp and delicious, very sweet, juicy and possesses a honey flavor very pleasing to the palate.

The marketing of this delicious melon has created an extensive call for seed. Honey Dew has so far been grown only in Rocky Ford, Colorado, California and Arizona; its general adaptability to other melon sections has yet to be determined. Our trials in Michigan last summer show that this melon will ripen good fruits in an average growing season when first started on sods in the hot bed to give it a longer time. It is about two weeks later than the Rocky Ford Cantaloupe.

Pkt., 10c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; lb., \$4.00.

### RADISH, GIANT BUTTER

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

### NEW SWISS CHARD

#### Cooper's Mammoth

The growing popularity of Swiss Chard is well deserved. There is nothing in the vegetable line which yields equal returns in the home garden. A short row will furnish the home all summer. This new mammoth sort is a medium green colored variety of immense size—large chard or midrib of excellent quality, free from the usual "earthy" flavor of the regular chards. Price, pkt., 10c; oz., 20c; ¼ lb., 60c.

## VAUGHAN'S NEW PEA—TOP O' THE MORN

We took occasion to relate in our last annual catalogue, the circumstance of Mr. J. C. Vaughan's coming in contact with quite an extraordinary pea, while he was on a regular tour of investigation and inspection in Europe. We now ask the attention of our customers and friends to what we have to offer them in our "Top O' The Morn" new pea. This is undoubtedly the best pea production in years. It is an Early Dwarf of the wrinkled sort suitable for the home-garden; it resembles "Little Marvel" in shape but the pods are much longer; and are produced in pairs and clusters on the vine. It is a splendid yielder, requires no stakes for support, and the vines grow to 18-inches high with foliage of deep green color. The peas, which are firmly packed in the large fine pods, are of exceptionally excellent quality. Plant Vaughan's "Top O' The Morn," it will give you real satisfaction.

Pkt., 10c; lb., 25c; 10 lb., \$2.25; bu., \$11.00; 100 lb., \$19.50.

### Two Meritorious Peas

#### LAXTONIAN, The New Dwarf Gradus

The tall, extra early, Gradus Pea, with its large telephone-like pods and its exquisite flavored peas is one of the most popular of all. In Laxtonian we have a dwarf type of the Gradus with the same large pods—almost the same in season and, moreover, requiring no supports—and the same superlative quality peas. Laxtonian almost makes for itself a new class of garden peas—Giant Potted Early Dwarfs.

It ripens in season a few days later than the first earlies, and is filled with eight to ten large and delicious peas. We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous than English Stock.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.35; 100 lbs., \$21.00; bu., \$12.00.

#### LAXTON'S SUPERB, Semi-Wrinkled

The most important Market Garden Pea introduction since Gradus. The originators, Laxton Bros., of England, consider it second to none of the peas they have raised. The pods, which are large and slightly curved are twice the size of the Pilot (smooth seeded grade) and can be gathered at almost the same time. This is very robust and can be safely sown earlier than wrinkled sorts without danger of the seed rotting in the ground. The market gardener can plant this dwarf pea between other crops like tomatoes, thus producing two crops at the same time on the same land.

On account of its heavy yielding habit and size of pods, Laxton's Superb is sure to become one of the standard varieties. Every gardener should know his pea. Price, lb., 35c; 2 lb lbs., 70c; 10 lbs., \$2.75; 100 lbs., \$25.00.

### VAUGHAN'S NEW YORK TOMATO

An old customer and friend of Vaughan's Seed Store, Mr. Vail of Yorktown, N. Y., an experienced and expert tomato grower, has very kindly drawn our attention to a new tomato which is the result of a series of experiments he has conducted through a period of years, in crossing various sorts so as to produce a red-skinned, firm fleshed tomato of high quality which is at the same time attractive in appearance, and of good marketable size. This is a second early about the size of "Improved Stone," but earlier, and for the home garden is a decided acquisition.

Unlike some of the very early sorts, the vine retains the large sized fruits to the end of the season.

Pkt., 10c; ½ oz., 25c; oz., 45c.

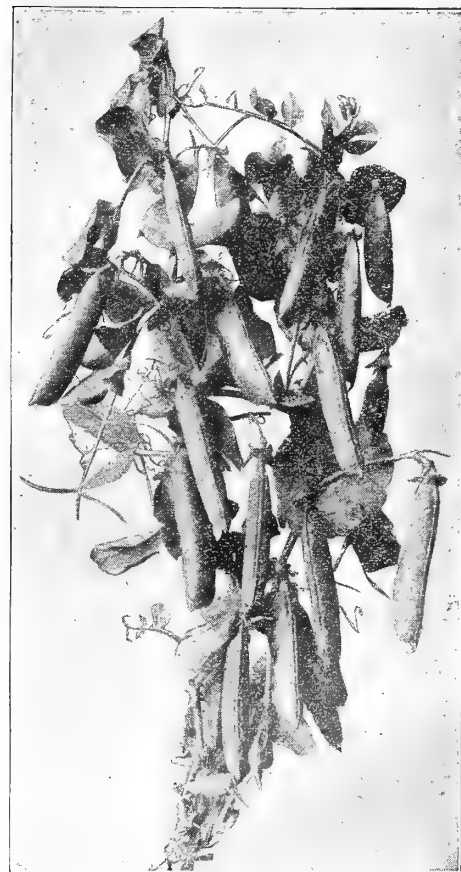
#### TOMATO, GOLDEN PONDEROSA

A novelty of merit for the home garden. Fully equal in size to the popular large Ponderosa, it is of golden yellow color. Does not run absolutely true to type as yet, but shows only a small percentage of mixed fruits. Sliced and served with the Red Ponderosa it makes a highly decorative and appetizing table dish.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

#### NEW GRAPE OR CLUSTER TOMATO NAPOLEON

This is by far the best of the so-called "dessert tomatoes" which are eaten whole. Immensely productive, 40 to 60 of the small fruits are found fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is piquant and delicious. Price, pkt., 15c; 2 for 25c.



VAUGHAN'S TOP O' THE MORN

# VAUGHAN'S FLOWER SEED

FOR GARDEN



## 1917

NOTE.—The following signs have been employed in these pages to distinguish the class to which the varieties so prefixed belong.

⊙ Biennials. These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

⌘ Perennials.

4000. **AMARYLLIS, New Hybrids** ⊘ Few subjects are more gorgeous and attractive in winter and spring than this family of bulbous plants. Some of the flowers are of the richest deep crimson and blood red; others are nearly white or are striped mottled and blended in a combination of colors. Seeds

should be sown, in well drained pots or pans of sandy loam, slightly covered, and placed in a temperature of about 65 degrees. When the seedlings are large enough to handle, pot off into very small pots, taking care not to insert too deeply and afterwards plunge in bottom heat. If kept in a moist atmosphere with a temperature ranging from 60 to 70 degrees the young plants make rapid progress. Pkt., (25 seeds)..... 25c

4002. **ANTIRRHINUM Nanum Grandiflorum, Rose Dore** ⊙. A lovely new shade, a pretty self salmon rose, shaded gold. . Pkt., 15c

4003. —**Nanum Grandiflorum, The Fawn** ⊙ A delightful blend of terra-cotta pink and pale yellow, very soft and pleasing; flowers large. . . . . Pkt., 10c

4005. —**Nanum Grandiflorum, Wild Rose** ⊙. A new and distinct combination of colors, fine light pink with white throat, yellow center, this latter giving the flower a most attractive appearance. . . . . Pkt., 15c

4006. —**Majus Grandiflorum, Cerise King** ⊙. Cerise pink, white throat and white lip, flowers very large, borne on fine long robust spikes, very attractive. . . . . Pkt., 15c

4007. —**Majus Grandiflorum, Pink Beauty** ⊙. A deep rose pink self, enormous spikes of flowers, individual blooms, exceptionally large, a vigorous grower. Pkt. . . . . 15c

4008. —**Nanum, Electra** ⊙. A beautiful salmon, maize and orange. The plants are of distinct habit with fine long spikes. An ideal bedder, and effective cut flower. . . . . Pkt. 15c

4009. **ASTER, American Beauty** ⊙. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Large pkt., 25c. . . . . Pkt. 10c

4010. **BEGONIA, Melanie** ⊘. The color of this new fibrous-rooted Begonia is quite unique, being white, beautifully edged with pink. Its large flowers are profusely produced during the whole summer; invaluable for bedding. . . . . Pkt. 25c

**CAMPANULA, Early Blooming** ⊙. 2½ ft. Canterbury Bells furnish us a most wonderful array of color in the daintiest shades of the most delicate form. The airy bell shaped blossoms fairly cover the pyramidal bushes. This early flowering strain blooms three weeks earlier than the older sorts which prolongs the season of bloom. 4012 White. 4013 Blue. 4014 Rose. Ea., Pkt. 15c

4015. **CANNA, Hungaria** ⊙. 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. . . . . Pkt. 10c

4016. **CARDINAL CLIMBER** ⊙ \$. 25 ft. This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and

brilliant climber ever grown. It is a strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May first. . . . . Pkt., 25 seeds, 15c; 2 pkts. for 25c; 5 pkts. for 50c

4017. **THE CHINESE WOOLFLOWER** ⊙. Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. . . . . Pkt. 15c

**COSMOS, ⊙ New Race of Double-Crowned and Crested.**

We consider this one of the best Flower Novelties of the year—an entirely new race of Cosmos. The plants are similar in habit to our famous strain of early-flowering Cosmos, and a fair percentage have double crowns, which give the flower a very dainty and exquisite appearance. The colors are pure white and a delightful shade of shell-pink. A large percentage come true from seed, both as to color and doubleness. The single which the strain produces are also very beautiful.

4018 **Double Pink Beauty**. . . . . Pkt. 15c

4019 **Double White Queen**. . . . . Pkt. 15c

—**Early Flowering Mammoth** ⊙. 6 ft. For many years, we of the Northern States have had to be satisfied with the ordinary early flowering Cosmos, whose flower was small and inferior compared to the late flowering varieties, which were taken by "Jack Frost" ere the blossoms appeared. So we take pleasure in offering these to the lovers of these dainty annuals.

4021. **White**. . . . . Pkt. 10c

4022. **Pink**. . . . . Pkt. 10c

4023. **Crimson**. . . . . Pkt. 10c

4024. **The Bride**. . . . . Pkt. 15c

4025. **DAHLIA, Elite Mixture** ⊙. We are fortunate in being able to offer this special strain of dahlias. It is a mixture of the double Peony-flowered, double Cactus-flowered, double Decorative and double Show varieties which were all grown separately and mixed together. Dahlias bloom from seed the first year if sown early. There is a wonderful assortment in this mixture. (50 seeds) . . . . . Pkt. 25c

4028. **DELPHINIUM Belladonna, Cliveden Beauty** ⌘. Produces handsome spikes of large flowers of a lovely light, silvery blue. . . . . Pkt. 25c

4029. —**Barr's Prize Strain** ⌘. Double, semi-double and single varieties, in pretty light blue shades. . . . . Pkt. 25c

4030. —**Barr's Prize Strain. Violet and purple shades.** Pkt. . . . . 25c

4031. **DIANTHUS Hedd. Laciniatus Fl. Pl., Jewel** ⊙. 12-in. Obtained from the well known and very popular Single Fringed Pink, Fairy Queen, this novelty is of the same habit and the same delicate color as the latter, from which it distinguishes itself by its double flowers. The flowers are extremely beautiful, large, fully double, nicely fringed, delicate salmon-rose with white edge. Pkt. . . . . 15c

4032. **DIANTHUS Heddewigi Fl. Pl., Brilliant Rose** ⊙. The flowers are large, well doubled and nicely dented and appear in so great a number but little is to be seen of the long, narrow leaves. Comes true from seed and will prove an introduction of lasting value. . . . . Pkt. 15c



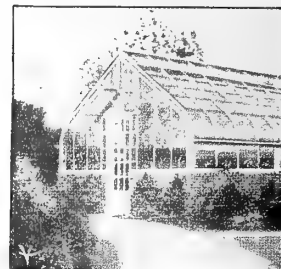
ANTIRRHINUM  
Nanum Grandiflorum

# NOVELTIES and SPECIALTIES

- ☉ **Annuals.** These attain full growth from seed, flower and die first year.  
 ☉ **Greenhouse Plants.** Start inside and cultivate in pots, or else transplant outside when danger of frost is over. § **Climbing Plants.**  
 ☉ **Stove Plants.** To be grown inside all the year round for pots only.

## 1917

FOR GREENHOUSE



4033. **ESCHOLTZIA, Extra Selected Golden** ☉. We have made a selection from the wild flowers of those having the finest deep rich orange color and the largest flowers. The plants also have responded to cultivation and the blossoms are larger in size than the wild sort, but of the same color. Here is the true wild Escholtzia, extra selected. ½ oz., 25c.....Pkt. 10c

4034. **ESCHOLTZIA, Flesh** ☉. A charming color in the Californian Poppies. It is a dainty pink fading to white. Pkt. 10c

4035. **GERANIUM, Californian Mixture** ☉. Great attention still continues to be given to the improvement of the Geranium. The seed we offer is the selection of a Californian specialist who devotes much time to the cultivating of this bedding plant. Spring sown seedlings flower in Summer. There is always the possibility of getting something new by raising from seed. (50 seeds).....Pkt. 15c

4036. **GLADIOLUS** ¼. Saved from selected collection of over thirty-five best named varieties in Giant Childsii class. Hybridized for us by an expert grower of thirty years' experience. All bulbs from this seed should be first-class and many may prove meritorious novelties. Worthy of cultivation by any interested amateur. 250 seeds.....Pkt. 25c

4037. **HELIOTROPE, Centefleur.** The heliotrope is an old fashioned plant which made our grandmother's garden a joy with its dainty but powerful fragrance. This variety has rich, deep purple flowers, and if the seed is planted early will bloom the first summer from seed....Pkt. 25c

**LUPINUS Polyphyllus** ¼. Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. New and attractive varieties.

4040. —**Blue Cloud.** Long spikes of soft lavender-blue flowers with upper petals shaded rose. Pkt. (25 seeds)..... 10c

4041. —**Eastern Queen.** Flowers blush, shaded sky-blue, having upper petals yellow, shot rose, very attractive. Pkt. (25 seeds)..... 10c

4042. —**Ophir.** Flowers of soft blue having soft rose-lilac upper petals which change to purple-red. Pkt. (25 seeds)..... 10c

4043. —**Rosy Gem.** Flowers of soft rose passing to deep rose. Pkt. (25 seeds)..... 10c

4044. —**The Bride.** Long primrose spikes shaded rosy peach. Pkt. (25 seeds).... 10c

4045. —**Enchantress.** Producing long spikes of soft blue flowers, with upper petals shaded rose, very pretty. Pkt. (25 seeds)..... 10c

4046. —**Nelly.** Flowers white and rose, produced in long spikes. Pkt. (25 seeds)..... 10c

4047. —**Yellow Boy.** Flowers soft yellow shaded buff. Pkt. (25 seeds)..... 10c

4048. —**New Hybrids.** Mixed. Pkt. (25 seeds)..... 10c

**LUPINUS Arboreus (Tree Lupin)** ¼.

4052. —**Somerset.** Long handsome spikes of pure yellow flowers. Splendid for cutting. Pkt. (25 seeds)..... 25c

4053. —**Yellow Queen.** Flowers soft primrose yellow, beautiful. Shade lighter than preceding. Pkt. (25 seeds)..... 25c

4054. **MARIGOLD Grandiflora, Tall French, Meteor** ☉. This introduction has rapidly risen in public favor, it being a new break in French Marigolds. The color is unique—sulphur yellow ground with deep orange margined petals like Calendula Pkt..... 15c

4055. **MORNING GLORY, Double Snow Fairy** ☉§. 8 to 12 ft. The plant is very vigorous, frequently attaining a height of twelve or more feet. The flowers appear early and are produced abundantly until frost. The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. Oz., 35c.....Pkt. 10c

4057. **NEMESIA Grandiflora Compacta, Triumph** ☉. Half-hardy annual. Nearly related to the Linaria; free-blooming dwarf bushes for pot culture and open borders.....Pkt. 25c

**GIANT PANSIES, New Early Flowering** ☉. 4 to 6 in. The new strain produces its giant flowers about four weeks earlier than other known types. In the early part of March this year, when the old type Pansies hardly showed any buds the plants of this new strain bore from three to five of their giant flowers.

4059. —**Winter Sun.** Golden yellow with dark eye.....Pkt. 15c

4060. —**Ice King.** Silvery white with dark blue eye.....Pkt. 15c

4061. —**Celestial Queen.** Light or sky blue.....Pkt. 15c

4062. —**March Beauty.** Dark velvety blue.....Pkt. 15c

4063. —**Finest Mixed**.....Pkt. 15c

4064. —**Giant Minerva** ☉. 6 in. An odd combination and striking in its effect. The ground color of the flower is bright red and each petal is marked with a very large violet blotch. Pkt. 15c

4065. —**Giant Solfatara** ☉. 6 in. The Swedish national colors are exhibited by these flowers which are a delicate sulphur yellow ground, with a large deep blue spot. Pkt..... 15c

4066. —**Apricot Color** ☉. 4 to 6 in. A new bedding pansy, which comes true from seed. The color is a pleasing self-colored apricot, very effective.....Pkt. 15c

4067. —**New Fringed White** ☉. We believe that you will find the new fringed white to be the most remarkable pansy novelty that has been introduced in many years. Many of the plants produced flowers 2¾ inches across in the field with no special care to produce large flowers, and during quite hot weather. An American product. Pkt. 20c

4067a. —**Giant Pearl** ☉. 5 in. Very large, pearly blue flowers. In very hot dry weather the flowers will come a beautiful blue brown; during cool nights a deep blue....Pkt. 20c

4068. **PETUNIA, Large Flowering Dwarf, Fringed** ☉. The flowers of this beautiful new type are of immense size, up to 6 inches across, of great substance, with deeply veined throats and in a rich variety of colors. 3 pkts., 65c.....Pkt. 25c

4069. **POPPY, Nudicaule Album Fl. Pl., White Swan** ¼. An intensely double form of the White Iceland Poppy.....Pkt. 15c

4070. **POLYANTHUS, Chenies' Giant Strain, Red Shades** ¼. The Chenies Giant Strain of Polyanthus, is an entirely new strain of giant-flowered Polyanthus, and producing very large trusses of exceptionally large flowers, saved from rich crimsons, scarlets, bright orange-red, deep maroon-purple and maroon margined white.....Pkt. 25c

4071. —**Chenies Giant Strain, Yellow Shades** ¼. This is an entirely new strain of Polyanthus and finer than anything we have ever seen before, the trusses of bloom are immense and the flowers themselves are exceptionally large and beautiful. Saved from all shades of yellow, from primrose to deep orange....Pkt. 25c

4072. **PRIMULA Japonica, Mrs. Scott Elliott's Strain of Hybrids.** This is allowed to be the finest strain ever offered, and is the result of many years careful artificial hybridization. The colors range from pure white through all shades of pink to deep crimson. The plants are extremely robust, stems carrying fine heads of bloom—frequently attaining a height of 3 feet and over, and the leaves are very large and handsome. It is a most striking plant, which one hardly ever sees, and these fine hybrids when in bloom, with their varied colors, make a splendid show, lasting a long time in flower. This is certainly the brightest and most magnificent of all the various Primulas, and a plant of very stately growth.....Pkt. 25c



CARDINAL CLIMBER



# VAUGHAN'S Flower Seed Novelties and Specialties for 1917



## Butterfly or



### Sweet Pea Culture Condensed

Trench deeply; manure liberally; plant thinly; stake quickly; water freely; dispoed promptly. GEORGE STANTON.

### 10 Best Sweet Peas

3996 Our collection of 10 best Spencer Sweet Peas is so well and favorably known as not to need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

One (regular size) packet of each 10 for 50 cents, postpaid. If bought separately would cost \$1.00.

We cannot make any change in varieties.

Orange. Thomas Stevenson.

Red. Vermilion Brilliant.

Lavender. Florence Nightingale.

Azure Blue. Margaret Madison.

Deep Pink. Hercules. White. King White.

Picotee. Dainty. Maroon. Royal Purple.

Rose Pink on Cream. Margaret Atlee.

Cream. Dobbie's Cream.

		Oz.	Pkt.
3900	<b>Afterglow.</b> Bright violet standards shaded rosy amethyst, wings paler blue.....	\$0 30	\$0 10
3901	<b>Agricola.</b> Faint lavender and blush.....	40	10
3902	<b>America.</b> White ground, heavily striped and flaked with bright crimson scarlet.....	25	05
3903	<b>Apple Blossom.</b> Standard very bright rose, wings primrose with a flush of rose.....	25	05
3904	<b>Asta Ohn.</b> A soft pinkish lavender self...	25	05
3905	<b>Aurora.</b> Flowers white, mottled and flaked with bright orange pink.....	25	05
3906	<b>Barbara.</b> Salmon.....	50	10
3907	<b>Bertrand Deal, Improved.</b> Rosy mauve	30	10
3908	<b>Blanche Ferry.</b> Rose standard and wings white, suffused and tinted with light pink.	25	10
3909	<b>Blue Picotee.</b> White, edged violet.....	35	10
3910	<b>Captain of the Blues.</b> Pure purple, the margin of the petals is marbled.....	30	10
3911	<b>Chas. Foster.</b> Pale blush pink, flushed lavender	40	10
3912	<b>Clara Curtis.</b> A beautifully waved cream...	20	05
3913	<b>Countess Spencer.</b> The original giant flowered Spencer, with finest waved standard and wings, clear pink deepening somewhat towards the edge, but almost self-colored.....	20	05
3914	<b>Dainty.</b> White ground, with beautiful picotee edge of rose pink.....	25	10
3915	<b>Dobbie's Cream.</b> Deep cream or primrose.	25	10
3916	<b>Dobbie's Lavender Geo. Herbert.</b> .....	40	10
3917	<b>Dobbie's Sunproof Crimson.</b> .....	30	10
3918	<b>Doris Usher.</b> Apricot and buff.....	30	10
3919	<b>Earl Spencer.</b> Rich orange and salmon.....	30	10
3920	<b>Edith Taylor.</b> Bright salmon rose.....	30	10
3921	<b>Edrom Beauty.</b> Salmon orange.....	30	10
3922	<b>Elfrida Pearson.</b> Large pale pink flower, the buds and young flowers having a distinct tint of buff.....	30	10
3923	<b>Empress Eugenie.</b> Light gray flaked with lavender.....	35	10
3924	<b>Evelyn Hemus.</b> Cream, with a picotee edging of terra-cotta pink.....	25	10
3925	<b>Fiery Cross.</b> Intense orange scarlet, 10 seeds 30 seeds 25c.....	..	10
3926	<b>Flora Norton.</b> Light blue.....	25	10
3927	<b>Florence Morse.</b> Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink.....	20	05
3928	<b>Florence Nightingale.</b> A very large, finely waved bluish lavender.....	25	10
3929	<b>George Herbert.</b> Rose crimson, suffused with magenta and showing veins in wings.....	20	05
3930	<b>Helen Lewis.</b> Blooms large, orange salmon with pink, especially bright orange standard...	20	05
3931	<b>Hercules.</b> A pale rosy pink flower of giant size; this is really a giant type of the Countess Spencer.....	25	10
3932	<b>Hilary Christie.</b> Salmon orange.....	1 00	15
3933	<b>Illuminator.</b> Rich salmon pink.....	30	10
3934	<b>King White.</b> Produces gigantic flowers absolutely pure white. The standard is of finest form, decidedly frilled and waved, and terminates beautifully at the throat. Wings large, waved and gracefully cover the keel	25	10
3935	<b>King Edward VII.</b> The best pure red Spencer, very large, with especially immense wings....	20	05
3936	<b>Margaret Atlee.</b> Rosy, salmon pink on a creamy buff ground. Immense wavy standard, inclined to double.....	25	10
3937	<b>Margaret Madison.</b> A beautiful self colored azure blue.....	30	10
3938	<b>Marie Corelli.</b> A bright glowing crimson, almost a self color.....	25	10

# VAUGHAN'S Flower Seed Novelties and Specialties for 1917

## Peas

### Spencer Varieties

3939	<b>Maud Holmes.</b> Rich crimson Spencer, fine large flower and quite sunproof.	Oz. \$0 20	Pkt. \$0 05
3940	<b>May Campbell.</b> Standard and wings marbled and veined carmine on cream ground.	25	10
3941	<b>Miriam Beaver.</b> Light apricot and buff.	30	10
3942	<b>Mrs. A. Ireland.</b> Standard bright rose-pink, with creamy base, wings blush.	20	05
3943	<b>Mr. C. W. Breadmore.</b> Buff ground, edged with pink.	25	10
3944	<b>Mrs. Cuthbertson.</b> Standard rose-pink, wings nearly white an improved Blanche Ferry.	25	10
3945	<b>Mrs. Hugh Dickson.</b> A light salmon pink on cream ground, strong grower.	20	05
3946	<b>Mrs. Routzahn.</b> Buff or apricot ground flushed and suffused with delicate pink.	20	05
3947	<b>Mrs. Townsend.</b> White suffused and edged with blue.	25	10
3948	<b>Nubian.</b> Fine chocolate color.	25	10
3949	<b>Othello.</b> Of immense size, with large drooping wings, rich maroon.	20	05
3950	<b>Primrose.</b> Deep primrose or creamy yellow.	20	05
3951	<b>Rainbow.</b> Soft rose color in fine hair lines on ivory white.	25	10
3952	<b>R. F. Felton.</b> Lilac standard, grey wings.	50	10
3953	<b>Robert Sydenham.</b> Rich orange self.	45	10
3954	<b>Rosabelle.</b> A very fine large rose-colored flower, giant size.	30	10
3955	<b>Royal Purple.</b> Rich purple.	45	10
3956	<b>Senator.</b> Claret and chocolate stripe on French gray ground.	20	05
3957	<b>Stirling Stent.</b> A deep salmon colored flower	30	10
3958	<b>Tennant.</b> Purplish mauve, a large, fine flower	25	10
3959	<b>The President.</b> Glowing scarlet self.	30	10
3960	<b>Thomas Stevenson.</b> Bright orange scarlet, almost a self.	25	10
3961	<b>Vermilion Brilliant.</b> A brilliant scarlet Spencer.	25	10
3962	<b>Wedgewood.</b> A lovely self blue.	30	10
3963	<b>White.</b> Flowers very large and of magnificent Spencer waved form.	20	05

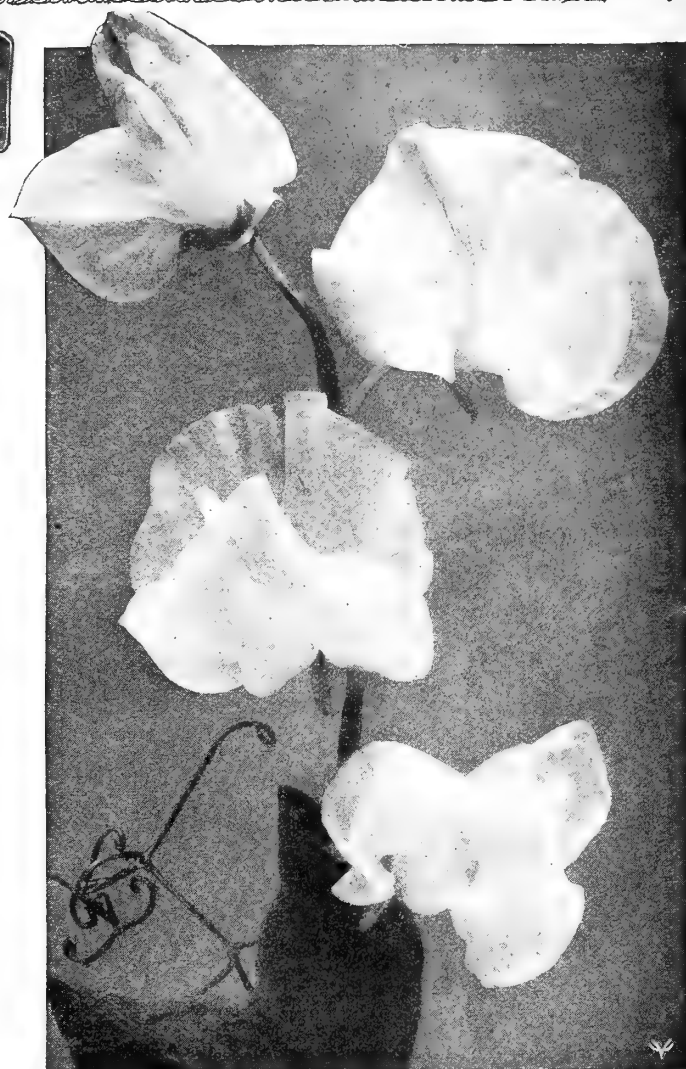
### 3975 VAUGHAN'S SPECIAL MIXTURE, Spencer Varieties.

In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class. **Pkt., 10c; oz., 25c; 1/4 lb., 65c; lb., \$2.40.**



### New Early Flowering Long Season Spencers

3976	<b>Early Morning Star.</b> The color is a deep orange scarlet or flame color in standard with rich orange pink wings. The flower is practically the same color as the late flowering Spencer "Dobbie's Thomas Stevenson." <b>Pkt., 10 seeds, 15c.</b>
3877	<b>Early Song Bird.</b> The flower is the same color as "Florence Morse Spencer" and a bit lighter than "Elfrida Pearson." It has the same excellent form and features of Mrs. Hugh Dickson but is on white ground. <b>Pkt., 10 seeds, 15c.</b>
3978	<b>Early Melody.</b> This is a deeper shade of pink than "Early Song Bird" on white ground, closely resembling "Countess Spencer" and near "Hercules." It might be described as as rose pink on white ground. <b>Pkt., 10 seeds, 15c.</b>
3979	<b>Early Spring Maid.</b> The color is light pink on a cream ground. <b>Pkt., 10 seeds, 15c.</b>
3980	<b>Early Snow Flake.</b> This is the best Early Flowering White Seeded Spencer. The blossoms are very large and of the best waved Spencer form. <b>Pkt., 10 seeds, 15c.</b>
3981	<b>Early Heather Bell.</b> The color is a rich but pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender. <b>Pkt., 10 seeds, 15c.</b>



3982	<b>Blue Jay.</b> Bright blue self color.	Oz. \$0 50	Pkt. \$0 10
3983	<b>Lavender Nora.</b> Most pleasing lavender, long stems.	..	15
3984	<b>Mrs. A. A. Skaach.</b> Flowers bright, shell pink.	85	15
3985	<b>Mrs. J. Manda.</b> Light shell pink, extra long stems.	85	15
3986	<b>Mrs. Woodrow Wilson.</b> Appleblossom pink	1 00	15
3987	<b>Mrs. William Sim.</b> Salmon pink.	85	15
3988	<b>Mrs. M. Spanolin.</b> Black-seeded white.	80	15
3989	<b>Pink and White.</b> Blanche Ferry Type.	1 00	25
3990	<b>President Woodrow Wilson.</b> Magenta rose	80	15
3991	<b>Selma Swenson.</b> Clear light soft pink.	80	15
3992	<b>Venus.</b> Standard white, slightly blushed pink wings.	80	15
3993	<b>White Orchid.</b> White flowers of good substance.	80	15
3994	<b>Yarrowa.</b> The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings.	80	15
3995	<b>MIXED.</b> Early Flowering Spencers.	80	15

### SPECIAL OFFER OF SWEET PEAS

**COLLECTION A**—Any three five cent packets for 10c  
**COLLECTION B**—Any three ten cent packets for 25c  
**COLLECTION C**—Any three 20 cent ounces for 50c  
**COLLECTION D**—Any three 25 cent ounces for 60c  
**COLLECTION E**—Any three 30 cent ounces for 70c

# VAUGHAN'S Flower Seed Novelties and Specialties for 1917



THE CHINESE WOOLFLOWER



NEW DOUBLE COSMOS

4073. **RICINUS Laciniatus** ☉. This variety differs from all others by the delicate structure of its leaves which are deeply cut well dentated and undulated. The color of the leaves is shining green and the plant will make a charming addition to a foliage group .....Pkt. 10c

4074. **SALPIGLOSSIS Gloxiniaeflora, Mixed** ☉. 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. The flowers are large and fancifully veined in contrasting colors. It is an annual which should be better known as it is particularly good in beds .....Pkt. 15c

4075. **SALVIA Splendens, Maroon Prince** ☉. 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen. Should not be grown near the red salvias, but is effective in beds or borders by itself. As a cut flower it may be bunched with the Centaurea Americana. The deep violet of the salvia bringing out the lavender of the centaurea.....Pkt. 15c

4076. —**Splendens, Ostrich Plume** ☉. 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed.....Pkt. 25c

4077. **STOCK, Mad. J. Paquet** ☉. 2 ft. A strong vigorous plant producing very large flowers of a rich golden yellow.....Pkt. 15c

4080. **SCHIZANTHUS Grandiflorus Hybridus, Rose and Amber Shades** ☉. 1 ft. Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze, but also contains some very delicate and pleasing pinks.....Pkt. 25c

4081. **TEXAS BLUE BELL (Eustoma Russellianum)** ☉. A wild flower of Texas which is becoming popular as a cut flower, owing to the remarkable keeping qualities of its flowers, which remain fresh for many days after cutting. The flower is blue, somewhat like a Morning Glory in shape. Seed should be sown early, indoors, and transplanted outside after all danger of frost is over.....Pkt. 25c

## Vaughan's Japanese Iris (IRIS KAEMPFERI)

The ideal Iris for the Hardy Garden, or on the  
brinks of Streams and Ponds

These magnificent Irises are, in our opinion the most beautiful of all this great family. The flowers are extremely large and flat, quite distinct from other types, and measure from 6 to 8 inches across when well grown. They are gracefully poised on long stems and are greatly prized for cutting. But it is in color that they excel over all others; words cannot adequately describe or do justice to the delicate tints and blendings in their flowers. Nearly all have a golden eye or blotch, usually surrounded by a blue or violet halo, then blending away into the gorgeous blues, lavenders, purples, crimsons, violets and other shades of their extensive range of colors.

Plant in a moist, warm situation, in rich soil, and keep well cultivated, never letting the surface to become caked or over run with weeds. Their flowering season extends from June to August.

### SPECIAL OFFER

3 each of 6 distinct kinds, 18 plants for..... **\$3.50**  
6 each of 6 distinct kinds, 36 plants for..... **\$6.75**  
12 each of 6 distinct kinds 72 plants for..... **\$12.00**

Carefully labeled and packed, by express at buyer's expense.



**PLANT  
THE BEST**

# The Home Vegetable Garden

No vegetables ever come to table at home like those gathered fresh from the home garden. The rich sweet flavor and fragrant aroma coming with freshly gathered vegetables when cooked, sharpens the appetite and gives zest and relish to eating.

**PLANT  
THE BEST**



**1917 SEED CROP** The present available seed crop is far from a reasonable normal standard quantity. Those seeds which have usually come from abroad, have been almost entirely taken from our markets—because of the present disturbance in Europe. The growing conditions there, have been bad, and small acreage only planted; inefficient help for cultivation and harvest have played their part, while embargoes on certain seeds have eliminated some from the general trade in the United States. Customers of Vaughan's Seed Store will fare better perhaps than most others

because of our representative who, scouring every corner of Europe where seeds are produced did secure some stocks for us and while they last our customers will be taken care of as far as possible, and according to the rule of this establishment for 40 years, prices will be maintained in stability as far as we can. Many of our home grown seed crops, such as Beans, Peas, certain Onions, etc., have suffered. Beans are as few as in most any year in history, and Sweet-Corn also is very scarce.

Cut one year roots two years after planting;  
two or three year roots, year after setting.

## ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour, 1 Hellebore; dust with it. Insecticides—After cutting, Arsenate of Lead or Paris Green.

**EARLY GIANT ARGENTEUIL**—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. Pkt., 10c; oz., 15c, ¼ lb., 30c; lb., 90c.

**BONVALLET'S GIANT**—Best variety for home and market gardens yet introduced (see illustration on this page). Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., \$1.35.

**PALMETTO**—Standard light green grass. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**COLUMBIAN MAMMOTH WHITE**—Large semi-white shoots—without earthing up. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

**BARR'S MAMMOTH**—Similar to Palmetto. Does better in some soils than in others. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**CONOVER'S COLOSSAL**—A large, fast growing variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Asparagus Culture.** Sow thickly in early spring; then in one or two years transplant at distance of 9 to 12 inches apart, in rows 3½ feet between them. Asparagus can be cut from such seeding in 3 to 4 years.

### ASPARAGUS ROOTS

	1-Year Old			2-Year Old			3-Year Old		
	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant.....	\$0.25	\$1.50	\$10.00	\$0.40	\$2.50	\$20.00			
Barr's Mammoth.....	.15	.75	5.50	.30	1.50	12.00			
Argenteuil (Giant).....	.20	.80	7.00	.35	1.65	15.00			
Conover's Colossal.....	.15	.75	5.00	.30	1.50	12.00			
Columbian Mam'th.....	.15	.75	5.50	.30	1.50	12.00			
Palmetto.....	.10	.50	4.00	.15	.75	5.00	.30	1.50	12.00
If by mail add postage as follows:	{ Doz., 5c 100, 35c			{ Doz., 8c 100, 50c			By express only.		

**ARTICHOKE, GREEN GLOBE**—Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. Pkt., 10c; oz., 80c.

**JERUSALEM ARTICHOKE ROOTS**—Best hog food known. Easily grown. Three bushels seed acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. Lb., 30c; 3 lbs., 75c.

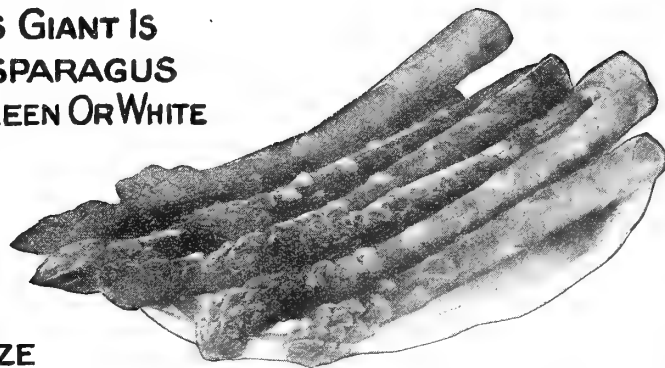
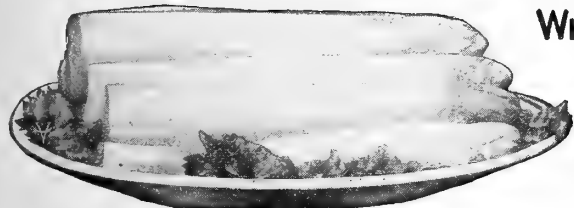
Chicago, by freight or express; Pk., 75c; bu., \$2.00; bbl., (2¾ bu.), \$4.25. New York: to be added to above prices. Pk., 15c; bu., 50c; bbl., \$1.00.

THE GREATEST ASPARAGUS

**BONVALLET'S GIANT ASPARAGUS**

MOST RUST PROOF

**BONVALLET'S GIANT IS  
THE BEST ASPARAGUS  
WHETHER GREEN OR WHITE**



**LESS THAN HALF NATURAL SIZE**

Our record with Bonvallet's Giant Asparagus Seed, for several seasons in recent years, shows that before the planting season was half over our stock of seed was almost exhausted; in some seasons quite exhausted. This is a remarkable record for a remarkable garden treasure; there is no Asparagus like Bonvallet's Giant Asparagus, meltingly tender stalks with exquisitely delicious flavor. A few stalks of this rich and delightful vegetable on toast, or served with drawn butter, will make the greatest epicure punctuate each bite with a smack of satisfac-

tion. Plant Vaughan's Bonvallet's Giant Asparagus in your garden and you thereby secure one of the grandest table luxuries that money can secure. It is very vigorous in growth and the most rust proof of any Asparagus.

Roots—2 years old, doz., 25c; 100, \$1.50; 1,000, \$10.00.

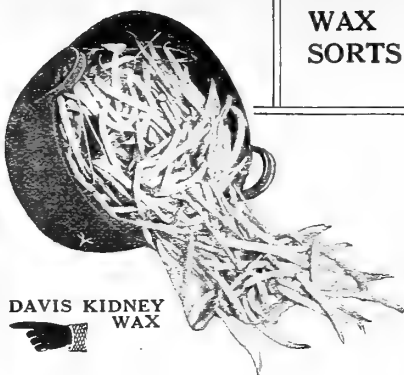
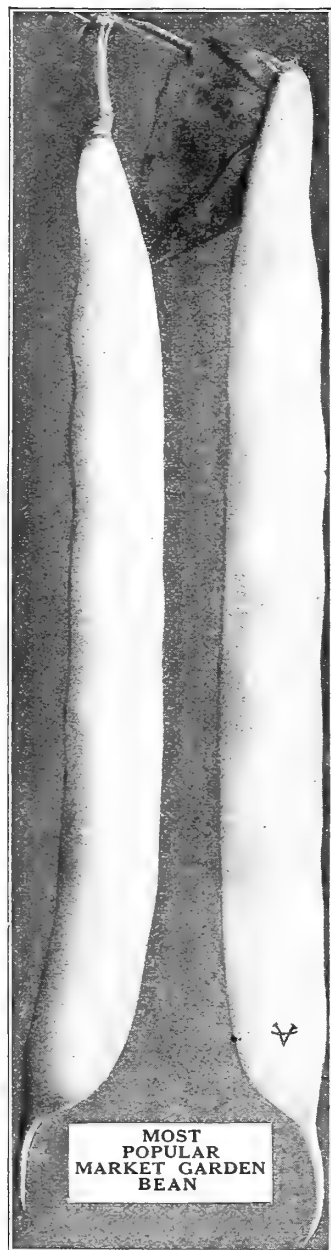
Three-year-old transplanted plants, doz., 40c; 100, \$2.50; 1,000, \$20.00. Seed: Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., \$1.35.



**PLANT  
THE BEST**

**WAX  
SORTS**

**VAUGHAN'S**



**DAVIS KIDNEY  
WAX**

### DAVIS KIDNEY WAX

Vines that are vigorous and very prolific, bear handsome waxy white pods 7 inches long; the Davis Kidney Wax is the finest appearing of all early wax beans. To make this variety entirely rust proof we constantly and with great care select for seed production, such vines as have not been affected with rust, to which this sort is inclined. The beans in the pod are kidney-shaped, clear white, make splendid Navy Beans for baking; but grown for Snap Beans in the home garden they should be used while young, when they are free from strings. Pkt., 10c; lb., 35c; 2 lbs., 65c; 100 lbs., \$26.00; pk., (15 lbs.,) \$4.00.

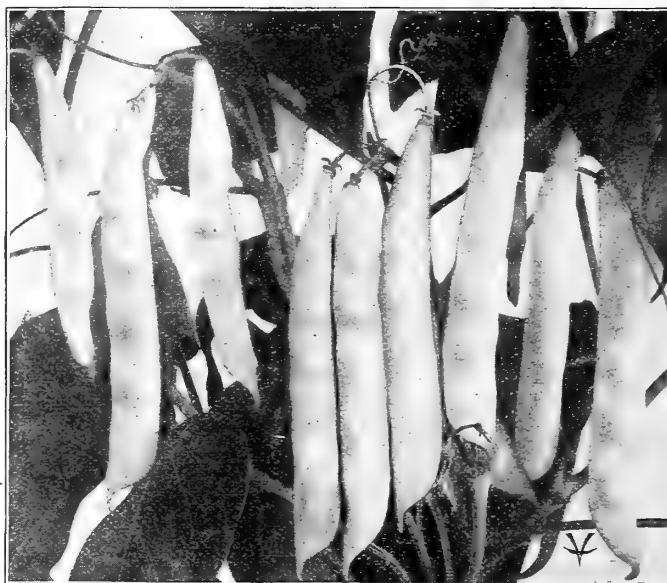


### ROUND POD KIDNEY WAX

Is early, of vigorous growth and heavy yielding vines; pods are long, round and entirely stringless; have fine flavor and are edible to the very tips. One of the best of the round pods. Pkt., 10c; lb., 40c; 2 lbs., 75c; 100 lbs., \$26.00; pk., (15 lbs.,) \$4.00.



**IMPROVED  
GOLDEN  
WAX**



### CURRIE'S RUST-PROOF GOLDEN WAX

Is early, very hardy and nearly rust-proof. The pods are long, golden yellow and are crisp, tender and fine eating—the seeds are black; this is much planted. Pkt., 10c; lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.



### HODSON WAX

The greatest yielder of garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean. Pkt., 10c; lb., 40c; 2 lbs., 75c; 100 lbs., \$26.00; pk., (15 lbs.,) \$4.00.



Our bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express, to equalize the difference in mailing cost, these packages contain more seed. The prices below, except for packets, lb. and 2 lbs., do not include postage. If to go by mail add postage according to zone rates. Pkt. of any of following, 10c.

**CHALLENGE BLACK WAX.** Early; pods tender and stringless; seeds black. Lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.

**STRINGLESS REFUGEE WAX.** Very productive; pods long, stringless and brittle. Price, Lb., 45c; 2 lbs., 75c; 100 lbs., \$26.00; pk., (15 lbs.,) \$4.00.

**PROLIFIC BLACK WAX.** Very early; prolific long pod. Price, Lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.

### OTHER SORTS

**VALENTINE WAX.** Second early, prolific; pods yellow. Price, Lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.

**GOLDEN EYE WAX.** 18 inches, early, large flat pods. Price, Lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.

**FLAGEOLET WAX.** Resists rust; pods large, flat yellow. Price, Lb., 40c; 2 lbs., 75c; 100 lbs., \$26.00; pk., (15 lbs.,) \$4.00.

**YOSEMITE WAX.** Exhibition variety. pods thick, 10 to 12 ins. long, golden yellow. Crop failure.

**MICHIGAN WHITE WAX.** A white seeded high quality bean of the Golden Wax type. Lb., 40c; 2 lbs., 75c; 100 lbs., \$30.00; pk., (15 lbs.,) \$4.50.

**MONSTER STRINGLESS.** Stringless. Largest pod of the bush varieties. Pkt., 15c; 2 for 25c; lb., 45c.

Bush Beans have been very scarce now for many years. The 1915 crop was as short as any on record and now the 1916 yield shows no improvement. Had it not been for a small acreage planted in the far West the past season, Bush Beans in all probability would be offered in quart lots only, for the Eastern crop was almost a total failure due to extreme hot weather during the blossoming period, finishing off with early frosts. We have a supply of our specialties to take care of our regular trade.

### BLACK PENCIL POD WAX

Bushy vines, very prolific, 15-inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, containing black seeds of excellent quality; a splendid sort for the home garden. Pkt., 10c; lb., 40c; 2 lbs., 75c; 100 lbs., \$24.00; pk., (15 lbs.,) \$4.00.



### WARDWELL'S WAX

In western prairie soil this sort is at it's best, where it gives most gratifying results; in some other sections it inclines to rust. The pods are uniformly 7 inches long, flat, brittle, entirely stringless, straight, finely shaped, a beautiful yellow color which makes them quite distinct and attractive; and they make delicious eating. A good yielder; shows merit in the home garden, and satisfaction with profit to the market grower. Pkt., 10c; lb., 40c; 2 lbs., 75c; 100 lbs., \$30.00; pk., (15 lbs.,) \$4.50.



### IMPROVED GOLDEN WAX

A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden, they have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall, with good crop assurance. Pkt., 10c; lb., 35c; 2 lbs., 65c; 100 lbs., \$24.00; pk., (15 lbs.,) \$3.75.



**WARDWELL'S  
WAX**



# BUSH BEANS

**GREEN  
SORTS**

**NOTICE**—We offer Beans and Peas this year by the pound, instead of pints, quarts, etc.  
1 lb. is a little more than 1 pint.  
2 lbs. is a little more than 1 quart.

**PLANT  
THE BEST**

We call particular attention to and recommend the following varieties, all "Vaughan Specials," stock seed of which we have bred on our own farms. For the Home Garden; in wax varieties—Wardwell's Kidney Wax, Improved Golden Wax, and Round Pod Kidney Wax; In Green Pods—Stringless Green Pod, Improved Red Valentine, Bountiful and Stringless Refugee. For market varieties read the descriptions. We reserve the right to reject orders for Beans alone.



## STRINGLESS GREEN POD

The **Stringless Green Pod Bean** is the great leader in green pods for general purposes; it is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, entirely free from strings or fiber; have a rich deep green color, they are very attractive and have excellent quality, which has placed them in great favor and ever gaining popularity with market growers. This sort is quite an indispensable green-pod variety, gives entire satisfaction wherever used. For succession plant every two weeks, until September. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs. \$21.00; pk. (15 lbs.) \$3.25.

## GIANT STRINGLESS GREEN POD

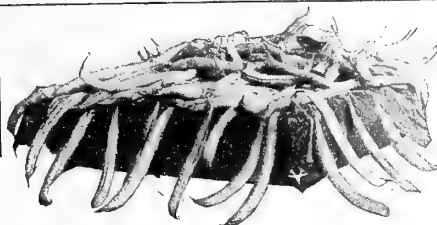
This is an immense type of "Earliest Improved Valentine" and is nearly as early. The pods have all the excellent qualities of the original with the added advantage of much greater size, which greatly improves the appearance. This is a splendid succession companion for Stringless Green Pod. Pkt., 10c; lb., 35c; 2 lbs., 65c; 100 lbs., \$22.00; pk. (15 lbs.) \$3.50.

## LONGFELLOW—(Round Pod)

Very handsome, nearly stringless, beautiful, soft green pods, 7 to 8 inches long, straight and round, are borne on very prolific vines. These elegant appearing pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly (an early six-weeks), plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.50; pk. (15 lbs.) \$3.00.

## IMPROVED RED VALENTINE

Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality;



## BOUNTIFUL STRINGLESS

### FLAT POD

A "Long Yellow Six Weeks," improved by earlier growth, hardness, and more prolific yield. The pods are better, larger, more tender than the original, and in addition are very handsome, an important feature for exhibitions. They have a distinctly fine quality which make them desirable, useful and profitable for either home or market garden planting. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.50; pk. (15 lbs.) \$3.00.

## BLACK VALENTINE

It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting, its hardness overcomes light frost. The pods are a third longer than the Red Valentine, and grow in great clusters perfectly straight and round. This is one of Vaughan's specials which has gained great popularity, having many splendid qualities to commend it, including handsome appearance, which makes it a business winner for market growers. Pkt. 10c; lb., 30c; 2 lbs., 55c; 100 lbs., \$18.00; pk., (15 lbs.) \$2.75.



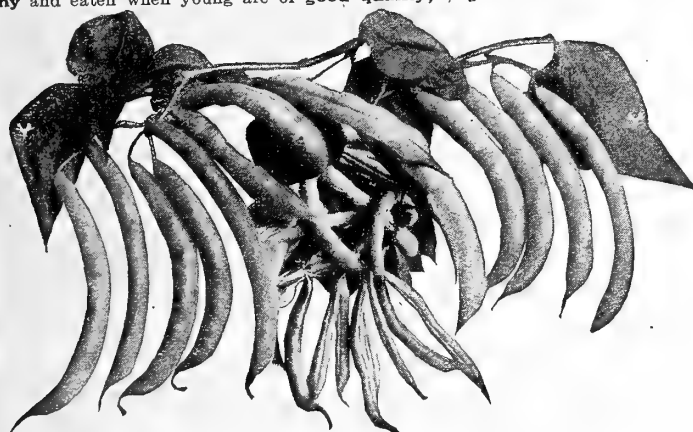
Vaughan's Seed Store offers Improved Red Valentine with the greatest confidence; it always makes good. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.50; pk. (15 lbs.) \$3.00.

## REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared to Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.50; pk., (15 lbs.) \$3.00.

## FULL MEASURE GREEN POD

A new main crop variety of bush bean—a Stringless, Round, Green Pod Bean. Pkt., 10c; lb., 35c; 2 lbs., 65c; 100 lbs., \$22.00; pk., (15 lbs.) \$3.50.



**RED VALENTINE—The Earliest Green Pod Bean**

## OTHER LEADING SORTS

Any of the following, per pkt., 10c.  
The prices, except for packets, lb. and 2 lbs., do not include postage; if by mail, add postage according to zone rates.  
**EXTRA EARLY REFUGEE**, similar to the Refugee; two weeks earlier. Lb., 25c; 2 lbs., 50c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.  
**BROAD WINDSOR**. An English Dwarf Bean, eaten shelled, best of class. Lb., 30c; 2 lbs., 60c; 100 lbs., \$18.50; pk., (15 lbs.) \$3.00.  
**DWARF HORTICULTURAL**. Late heavy yielding. Flat yellow pods spotted with red. Lb., 30c; 2 lbs., 60c; 100 lbs., \$19.00; pk., (15 lbs.) \$3.00.  
**EARLY MOHAWK**. Productive, long flat pods. Early, rather stringy. Lb., 30c; 2 lbs., 60c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.

**EARLY ROUND POD**. Six weeks. Early sort for market. Good yield. Lb., 25c; 2 lbs., 50c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.  
**EARLY YELLOW**. Six weeks. Similar to round sort with flat pods. Lb., 25c; 2 lbs., 50c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.  
**IMPROVED NAVY**. Fine field sort. Lb., 20c; 2 lbs., 40c; 100 lbs., \$15.00; pk., (15 lbs.) \$2.50.  
**WHITE KIDNEY**. For shell beans. Lb., 25c; 2 lbs., 50c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.  
**RED KIDNEY**. For same use as white. Lb., 20c; 2 lbs., 40c; 100 lbs., \$15.00; pk., (15 lbs.) \$2.50.  
**TRIUMPH OF THE FRAMES**. Small, French bean. Good under glass. Pkt., 15c; 1/4 lb., 20c; lb., 40c; 2 lbs., 75c.  
**WHITE MARROW**. Good shell bean. Lb., 25c; 2 lbs., 50c; 100 lbs., \$17.50; pk., (15 lbs.) \$2.75.

**STRINGLESS  
GREEN POD**

## PLANT THE BEST

Beans are priced by the lb. this year.  
1 lb. is a little more than 1 pint.  
2 lbs. are a little more than 1 quart.

Special Postpaid  
Offer—Read  
Inside Cover Page

# LIMA AND

### NEW WONDER BUSH LIMA

## NEW WONDER BUSH LIMA THE IDEAL BUSH LIMA

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes **Vaughan's Strain** of this splendid sort has attained a degree of popular approval which attests its superior merit.

Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.

Vaughan's **New Wonder**, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness. Pkt., 10c; lb., 25c; 2 lbs., 45c; 100 lbs., \$17.00; pk., (14 lbs.) \$2.50.

### FORDHOOK BUSH LIMA BEAN

Is the old "Dreer," "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast to the old sort, which was dry and mealy, this new **Fordhook** is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; lb., 35c; 2 lbs., 60c; 100 lbs., \$18.50; pk., (15 lbs.) \$3.00.

**BUSH LIMA—Burpee's.** Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds, thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 25c; 2 lbs., 45c; 100 lbs., \$17.00; pk., (14 lbs.) \$2.50.

**BUSH LIMA—Dreer's.** Dwarf variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant shows its prolific growth. Pkt., 10c; lb., 30c; 2 lbs., 55c; 100 lbs., \$17.50; pk., (14 lbs.) \$2.75.

**BUSH LIMA—Henderson's.** Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 25c; 2 lbs., 45c; 100 lbs., \$16.50; pk., (14 lb.s.) \$2.25.

### IMPROVED BUSH LIMA—BURPEE'S

This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier than "New Wonder". Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 10c; lb., 35c; 2 lbs., 60c; 100 lbs., \$18.50; pk., (14 lbs.) \$3.00.

### POLE LIMAS

#### EARLY LEVIATHAN

Is exceptionally valuable for early maturing habit; when frost would kill a less early sort. It equals the main crop varieties for large pods; clusters of 5 to 8 grow together and they are full of fine beans of excellent flavor. Growers familiar with "Sieberts Early" or "Jersey," will like results they can get with "Early Leviathan." Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$16.00; pk., (14 lbs.) \$2.50.

**SIEBERT'S EARLY LIMA.** Is hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large, beans. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$15.00; pk., (14 lbs.) \$2.50.

**KING OF THE GARDEN.** A climber that blooms and produces to end of the season. Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$15.00; pk., (14 lbs.) \$2.50.

An ounce of beet seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

**OUR KEY TEST.** Is performed by means of damp blotters, and a proven sample of a similar variety of known germination. Thus the vitality of all our seeds is correctly determined and real percentage of growth ascertained.

## VAUGHAN'S

### CROSBY'S EGYPTIAN The Most Popular Early Beet

### CROSBY'S EGYPTIAN

This is a beet famous both for size and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities has secured for this variety a wide and growing popularity; based solely on merit.

Vaughan's Crosby beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that Vaughan's Crosby's Egyptian beet, is splendid for bunching, attractive in size and excellent in general appearance, a money-making combination for thrifty progressive growers.

**VAUGHAN'S SELECTED STOCK.** Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25. By express, 5 lbs., \$5.50.

**CHOICE STOCK.** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.00.

### VAUGHAN'S FIRE BALL

"A READY SELLER AT GOOD PROFIT"

Always a splendid sort whether your gardening is done for profit or for pleasure and home.

It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting, than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use.

Pkt., 10c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; lb., \$1.60.

**LONG SMOOTH DARK BLOOD.** Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

**EDMAND'S EARLY.** One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, having small tops, they can be planted close. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

**HALF LONG BLOOD.** A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh, sweet, tender and crisp. Never woody. Pkt., 5c., oz., 10c; ¼ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

# POLE BEANS

The Pole Bean crop, both the Lima and Snap sorts, is much shorter than last year. The scarce sorts are Golden Cluster Wax, Kentucky Wonder and Lazy Wife.

**PLANT  
THE BEST**

## CARPENTERIA POLE LIMA STANDARD OF POLE LIMA QUALITY

Many voices of expert growers declare Vaughan's "Carpenteria" is the most "perfect Pole Lima Bean." The exceptional fine quality of this strain is shown in the beautiful green tint, of the large, handsome shaped beans, which fill the rich colored, attractive pods. The velvety green tint of the beans remains, long after they have become dry, which proves the enduring high quality inherent with this exceptional pole lima bean. Vaughan's "Carpenteria" is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods, each containing usually four big, full, fat, juicy beans of delicious flavor. For market-gardeners, Vaughan's "Carpenteria" Pole Lima Bean offers a big money-making opportunity. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$16.50; pk., (14 lbs.) \$2.50.

**FORD'S MAMMOTH.** Pods grow in large clusters, and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$15.00; pk., (14 lbs.) \$2.25.

**CHALLENGER or DREER'S IMPROVED.** Thick pods, good size and flavor. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$14.00; pk., (14 lbs.) \$2.25.

**LARGE LIMA.** Very attractive. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$14.00; pk., (14 lbs.) \$2.25.

**EXTRA EARLY JERSEY LIMA.** Old standard: small pods. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$15.00; pk., (14 lbs.) \$2.25.

**IDEAL POLE LIMA.** Excepting only "Carpenteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long; beans flat, of good quality, a selection from "White Lima." Pkt. 10c; lb. 30c; 2 lbs., 60c; 100 lbs., \$16.00; pk., (14 lbs.) \$2.50.

Need  
Support

## POLE BEANS

Need  
Support

**KENTUCKY WONDER WAX.** The best pole wax bean for northern planting; it is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean.

Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt. 10c; lb., 30c; 100 lbs., \$18.00; pk., (15 lbs.) \$2.75.

**EARLY GOLDEN CLUSTER WAX.** Long, stringless: fine quality: pods in clusters: pure white seeds. Pkt., 10c; lb., 35c; 2 lbs., 60c; pk., (15 lbs.) \$3.00.

**BURGER'S STRINGLESS GREEN POD.** Small, white bean: good for baking: long bearing vines. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.00; pk., (15 lbs.) \$2.75.

**CREASEBACK.** Early; long, round, green, stringless tender pods: white beans. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$15.00; pk., (15 lbs.) \$2.50.

**KENTUCKY WONDER OR OLD HOMESTEAD.** Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddlebacked, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$18.00; pk., (15 lbs.) \$2.75.

**DUTCH CASEKNIFE.** Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$15.00; pk., (15 lbs.) \$2.50.

**HORTICULTURAL CRANBERRY.** For cool climate: early; flat green pods, white seeds: good snap or shell. Pkt., 10c; lb., 25c; 2 lbs., 50c; 100 lbs., \$16.00; pk., (15 lbs.) \$2.50.

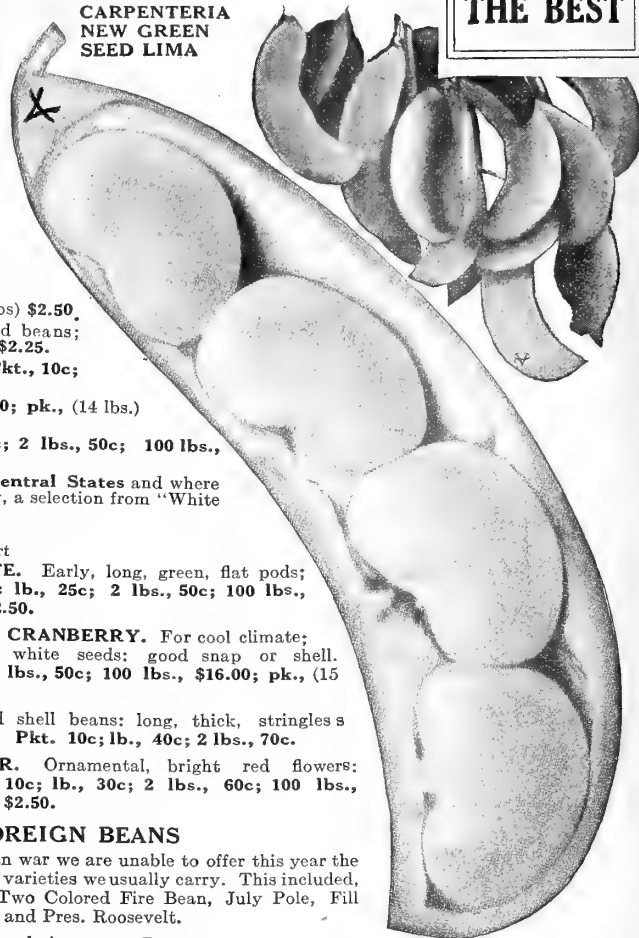
**LAZY WIFE.** Good shell beans: long, thick, stringless pods. Crop very short. Pkt. 10c; lb., 40c; 2 lbs., 70c.

**SCARLET RUNNER.** Ornamental, bright red flowers: good snap bean. Pkt., 10c; lb., 30c; 2 lbs., 60c; 100 lbs., \$16.00; pk., (12½ lbs.) \$2.50.

## FOREIGN BEANS

Owing to the European war we are unable to offer this year the several desirable foreign varieties we usually carry. This included, Giant Scarlet Runner, Two Colored Fire Bean, July Pole, Fill Basket Wax, Green Pod and Pres. Roosevelt.

**YARD LONG or French Asparagus Bean,** pkt., 15c.



# BEETS

Our customers will find our special strains of Beet like Crosby's Egyptian (Selected Stock), Fireball, Crimson Globe and Detroit without a superior. The better grades of beets from Europe are very short and we are fortunate in having a supply of the best seed.

For the home garden plant for early Crosby's Egyptian or Fireball, and Detroit for late and main crop.

## CRIMSON GLOBE—SECOND EARLY MAIN CROP

This is a splendid sort: is extensively planted for second early and main crop purposes; it is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood red, sweet, tender and never stringy. Plant Vaughan's seeds. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, prepaid: 5 lbs. by express, \$5.00.

## DETROIT DARK RED TURNIP—MAIN CROP

Unequaled as a big cropper in all western states. Vaughan's strain of this perfect turnip-shaped beet, produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood red, flesh, bright red, sweet, tender and delicious. A friend in any garden for home or market. Vaughan's Selected Stock. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; by express, 5 lbs., \$5.00.

**VAUGHAN'S CHICAGO MARKET—Sold out.**

**ARLINGTON IMPROVED.** Early deep round form, medium size, dark blood red; does not become stringy: sweet and tender at all times. Pkt., 5c; oz. 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**BASSANO EARLY FLAT RED.** One of the earliest, flesh tender, white and rose in color. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

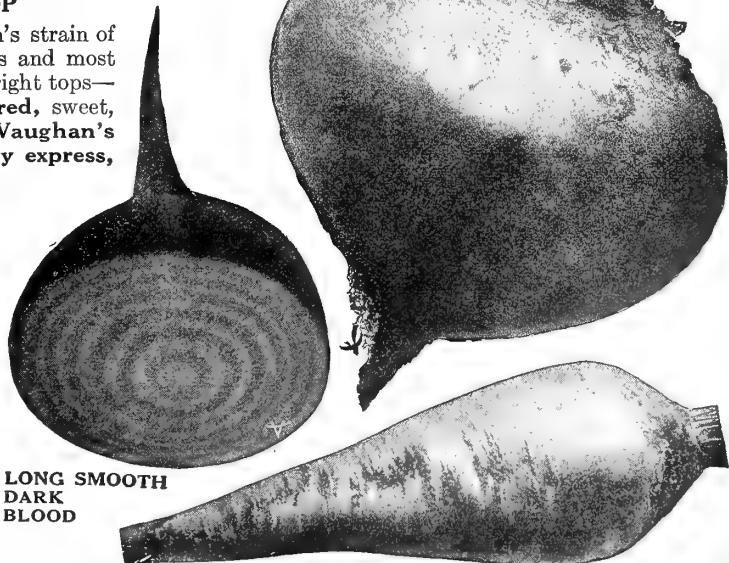
**DEWING'S EARLY BLOOD TURNIP.** Good color, medium size, smooth and handsome. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**EARLY ECLIPSE.** Roots globular, small tap root, very small collar. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; (exp.), 5 lbs., \$4.00.

**ELECTRIC.** Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson, flesh zoned. Flavor delicate, rich and sugary. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**IMPROVED EARLY EGYPTIAN.** The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

## DETROIT DARK RED A Main Crop in the Home Garden



**LONG SMOOTH  
DARK  
BLOOD**

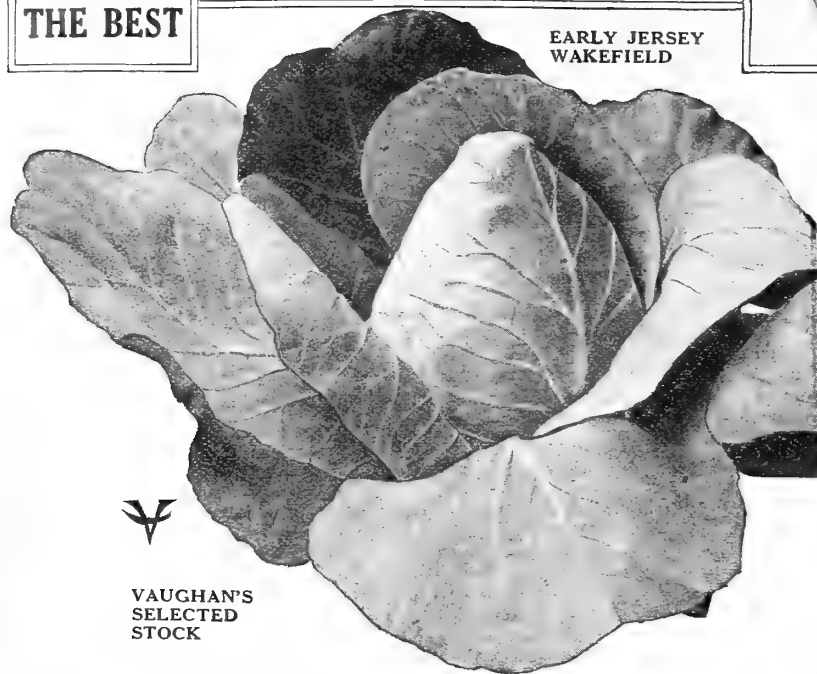
See Pages 52, 53 for Mangels, Stock Beets, (Stock Roots)



## PLANT THE BEST

Since the foundation of our firm 40 years ago, the house of Vaughan has been famous for cabbage seed. We know by trial comparisons that there is none better.

EARLY JERSEY  
WAKEFIELD



VAUGHAN'S  
SELECTED  
STOCK

**EARLY WINNIGSTADT**—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use, Best imported seed only. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.85.

**EXTRA EARLY EXPRESS**—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield—and matures a short time later.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**EARLIEST ETAMPES**—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best quality.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**EARLY YORK**—Heart-shape, small head, firm and tender, may be planted 15 to 18 inches apart. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.70.

# VAUGHAN'S

## EARLY OBLONG SORTS EARLY JERSEY WAKEFIELD

This extra early, conical-shaped head cabbage is the best early, for planting in the United States. Earliness and hard heading in this variety are most important to growers.

Early Jersey Wakefield cabbage is a specialty with us, and to secure the best seed on our growing farms, we spare no expense; and later by trials, tests and cleaning; we confidently offer the best Early Jersey Wakefield seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's seed and get results that spell prosperity.

More seed of this sort is planted in the United States than of all other varieties of the same type. The heads are hard, the outside leaves small, so that close planting is possible. Buy Vaughan's seeds—plant the best.

Pkt. 10c, ½ oz. 20c, oz. 30c, 2 ozs. 50c, ¼ lb. 80c, lb. \$3.00.

## LARGE JERSEY OR CHARLESTON WAKEFIELD

This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does as well on clay ground as on other soil.

Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

EARLY  
ALL HEAD



## FLAT AND ROUND SORTS

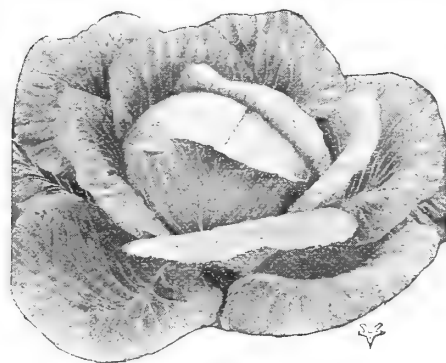
**ALL HEAD OR FAULTLESS.** Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. It has few outer leaves, permitting close planting; for general purposes it is excellent; amongst kraut growers it is the most popular, because the largest possible tonnage per acre can be produced. Vaughan's seed of this sort is Long Island grown—produced by the expert who originated this variety.

Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. \$2.50.

**EARLY FLAT DUTCH.** Sure solid header; weighs 10-12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best.

Pkt., 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

**NEW EARLY FLATHEAD—(New Early Spring).** Has the thick heavy leaves of "Jersey Wakefield," of which it is a product, crossed with "Succession"; it is of dwarf habit, with leaves slightly rounded; season about the same as "Wakefield." Pkt. 5c, ½ oz. 12c, oz. 20c, 2 ozs. 35c, ¼ lb. 70c, lb. \$2.50.



SUCCESSION

**EARLY SPRING.** Is the same type and almost as early as "Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 65c, lb. \$2.25.

**EARLY SUMMER.** The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. Its quality and handsomeness secure for it ready sale.

Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

Try the new  
Chinese or Celery  
Cabbage. See description in Novelty  
pages.

## SUCCESSION

A favorite with market gardeners. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. Color, is a beautiful light green; a grand second early. Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 70c, lb. \$2.50.

**LATE FLAT DUTCH.** Smaller than "Premium Flat Dutch," sometimes a little better keeper. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

**FOTTLER'S BRUNSWICK DRUMHEAD.** Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green color. Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. \$2.00.



EARLY  
SUMMER

# CABBAGES

The better strains of American cabbage, like the Wakefield, All Head, All Seasons, Early Sure Head, Premium Flat Dutch, etc., are grown in Long Island, where we contract special stocks with the most experienced growers.

**PLANT  
THE BEST**

## FLAT AND ROUND SORTS VAUGHAN'S ALL SEASONS

This special, Vaughan's Cabbage, although really an early, is suited to every growing season; under most trying and adverse conditions it is nearly always a sure header.

Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "early summer" with larger head. In our trial grounds, the habit and growth of this sort have been noted as described, when grown side by side with other sorts, through many successive seasons.

Quality for eating is splendid, and is not excelled by any cabbage.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

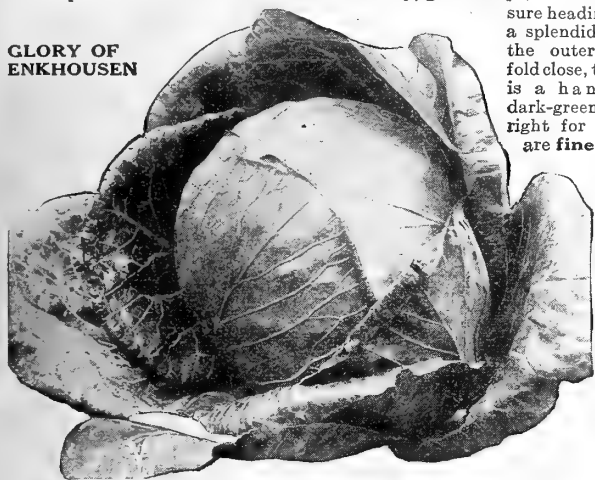
### GLORY OF ENKHOUSEN A PROFITABLE EARLY VARIETY

Has achieved great popularity in a few seasons, as the most important cabbage introduction in years.

For market growers, or private gardens it is very valuable, and growers who cater to high-class trade, find it a ready seller at a good profit.

Exceptional merit is the reason. It is early, globe shape, medium size,

### GLORY OF ENKHOUSEN

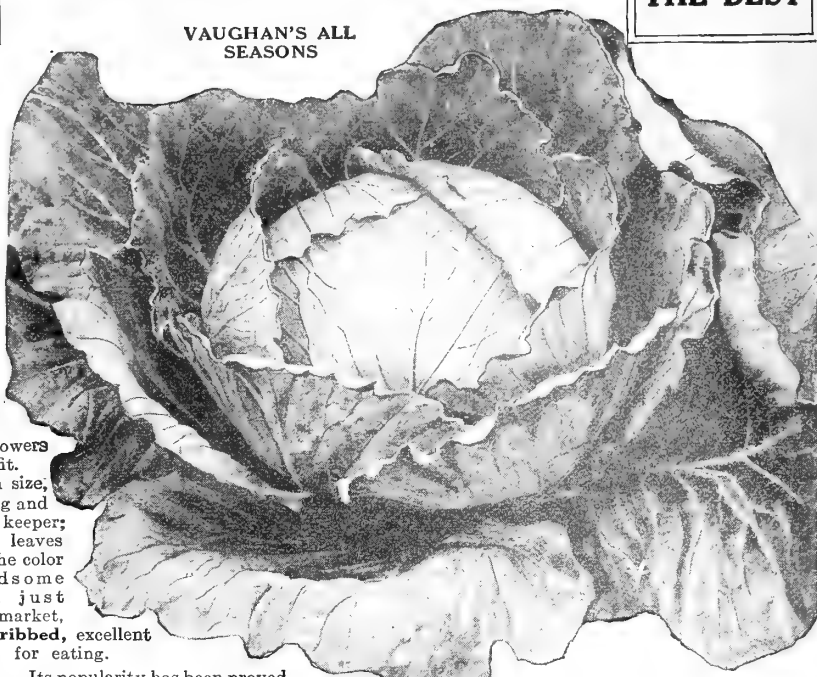


sure heading and a splendid keeper; the outer leaves fold close, the color is a handsome dark-green, just right for market, are fine ribbed, excellent for eating.

Its popularity has been proved in many market growing centers, and has become standard and a money maker for enterprising, progressive gardeners. Plant Vaughan's seeds and prosper.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb. \$2.50.

### VAUGHAN'S ALL SEASONS



**PLANT COPENHAGEN MARKET**, a new first early.—See description Novelty pages.

### DANISH SUMMER BALLHEAD

A Second Early of superb quality; it resembles "Winter Ballhead," but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage; the heads are hard, long keepers. This cabbage is gaining a place amongst the early sorts.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 70c; lb., \$2.60.

## MAIN CROP VARIETIES

### VAUGHAN'S SELECTED STOCK DANISH BALLHEAD TALL VAUGHAN'S SELECTED STOCK

From Amagar Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we know it is genuine but also because we know it is the standard of highest quality and purity. Many trials have demonstrated this to be the best. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amagar," the Danish grown strains of the "Hollander." The tall-stem of our Ballhead cabbage distinguishes the strain.

Because of perfectly solid-head, unequaled keeping and shipping qualities' correct market size, not too large, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained leaves which are deliciously tender, this strain has displaced nearly all other winter varieties of cabbage. It is the most popular of all the late varieties, and its popularity rests entirely upon superior merit. Vaughan's seeds make growers prosperous.

Pkt., 10c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., \$2.50.

### PREMIUM FLAT DUTCH

Of the Flat-head varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hot-beds. Our seed produces immense, solid heads, uniform, true, and of finest and delicious quality. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., \$2.00, postpaid. By express, 5 lbs., \$9.00.

#### NOTE

Slug Shot kills cabbage worms absolutely. Can be used without danger. 5 lbs., 50c; 10 lbs., 70c; 25 to 50 lbs., 6c per lb.

#### FOR TRIAL

We are giving away this year a ½-ounce sample of the new disease resistant Hollander Cabbage, as bred and introduced by the Wisconsin Experimental Station, if asked for, with every pound of our Stock Seed Danish strain of this variety.

See Novelty Pages in the front of this Catalogue.



DANISH  
BALLHEAD



PREMIUM  
FLAT  
DUTCH

## PLANT THE BEST

In the famous cabbage growing district of Wisconsin, Central New York, Michigan, etc., Dutch Winter or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

# VAUGHAN'S

## DUTCH WINTER or HOLLANDER

As a fine, "late spring," seller no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about **8 pounds**, very solid, have a **distinct, fine, white color**; excellent keeping quality, being as fine and perfectly solid, when taken out in the spring, as when put away in the winter; exceptional keeping quality is **characteristic** of this cabbage.

Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb. \$3.10.

## DWARF AMAGAR or SHORT-STEMMED DANISH BALLHEAD

This variety is almost identical with "Dutch Winter or Hollander. We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt. 10c; ½ oz. 15c; oz. 25c; 2 oz. 45c; ¼ lb. 75c; lb. \$2.50; 5 lbs. \$11.50.

## OTHER GOOD SORTS

**LARGE LATE AMERICAN DRUMHEAD.** A selected strain in this Standard Winter Cabbage. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**AUTUMNKING,** Similar to Flat Dutch with ruffled leaves. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**IMPROVED STONEMASON.** A large solid, late Drumhead—popular in some sections. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**LOUISVILLE DRUMHEAD.** Very compact, short-stemmed, semi-flat, good quality. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**Marblehead MAMMOTH DRUMHEAD.** Late. About the largest cabbage grown. Popular with gardeners. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**THE LUPTON.** A large head, but not spready, on a comparatively small plant, is the habit of this variety. It is characteristically strong of growth, and one of the best keepers; when taken out in the spring it is bright and fresh. Our seed is grown for us by the originator and will produce cabbages of the very best type.

Pkt. 5c; ½ oz. 12c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**THE EUROPEAN CARROT CROP** on which we are usually dependent for many of our better strains is very short.

## VAUGHAN'S BRIDGEPORT

**The best Large Fall Shipping Cabbage in Existence.** We introduced this variety over twenty years ago and our strain has been carefully selected every year since.

The original type has been kept up and improved to a high degree of perfection; a field of them is more uniform than any other sort.



**SOLID  
HEAD**

**A Money-Maker  
For Market Gardeners**

# VAUGHAN'S

## VAUGHAN'S SELECT DANVERS

This is a very popular and universally planted carrot. For a quarter of a century, our strain of this highly prized variety has seldom been equal in quantity to the public demand for seed. And in the years when seed has been plentiful, it has been planted to the exclusion of almost all others.

The reason for such extraordinary public favor, is found in its combination of excellent qualities, rather than to the predominance of any one good point.

While some varieties of carrots attract attention because of extreme sweetness, color or other feature, Vaughan's Select Danvers has all desirable qualities to a very marked degree of perfection.

In addition to its splendid edible qualities and fine appearance, it is a handsome cropper, the yield being greater per acre than that of any other sort; its size, shape, color, sweetness and flavor, make it ideal for marketing with profit. Pkt. 10c; oz. 25c; ¼ lb. 55c; lb. \$1.85; 5 lbs., \$8.50.

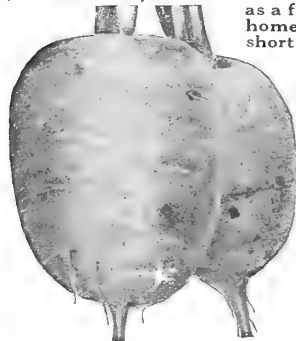
**VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN.** It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes: as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

## GUERANDE OR OX HEART

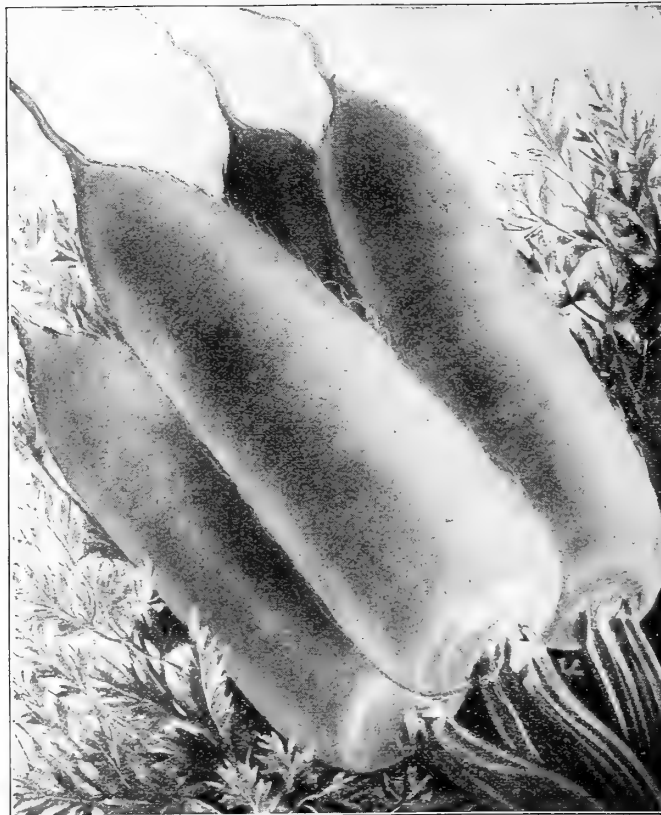
Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which makes it desirable.

Home and market growers find it an excellent variety to plant. We recommend this carrot as possessing qualities of exceptional merit.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs. \$7.00.



OX HEART



VAUGHAN'S SELECT DANVERS



# CABBAGES

LATE OR MAIN  
CROP SORTS

Try Savoy Cabbage this year. To those who have never grown it "Savoy quality" is a revelation. Savoy Cabbage boiled, stuffed with sausage meat, is a dish to anticipate.

PLANT  
THE BEST

## SURE HEAD

This is a large round flathead variety, uniform in size and weighing 10-15 pounds each head. They are very solid, and have fine quality for eating.

Our strain is most popular with market-gardeners and large growers—it is a **sure header**, in most unfavorable seasons.

Pkt. 5c; ½ oz. 15c; oz. 25c; 2 ozs. 45c; ¼ lb. 75c; lb. \$2.50.

## RED CABBAGES

**DANISH RED STONE HEAD.** The heads are hard, round, and ball shaped, very compact and keep well into the winter. The red color is so intensely deep that a cross section shows almost no white. In all sections where Danish White Cabbages, like "Ballhead" do well, this new red will be found a valuable addition to the best of varieties. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.00; lb. \$3.50.

## DRUMHEAD CABBAGE

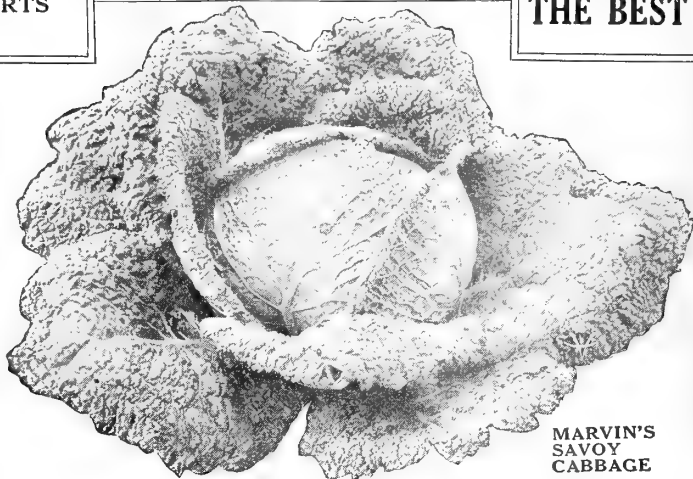
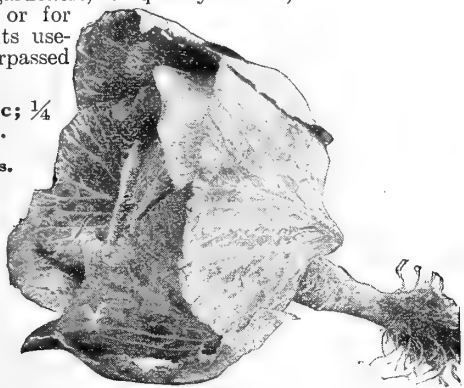
The excellence of this cabbage is well known by many gardeners, its quality is fine; and either for slicing for kraut, or for general purposes, its usefulness is not surpassed by any other sort.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Buy Vaughan's Seeds.  
The Best.

FINELY BRED  
STEM

A Splendid Sort  
For General Use



MARVIN'S  
SAVOY  
CABBAGE

**MAMMOTH ROCK RED**—The best large Red Cabbage. A sure header of good red color to the center. Pkt. 5c; ½ oz. 15c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**ZENITH**—A very fine medium early sort. Not large, good quality and fine color. (New). Pkt. 10c; ½ oz. 20c; oz. 30c; 2 oz. 55c; ¼ lb. 85c; lb. \$3.00.

**VAUGHAN'S BLACK DIAMOND**—A new second season black-red variety Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c; ½ oz. 20c; oz. 30c; 2 oz. 55c; ¼ lb. 85c; lb. \$3.00.

**EARLY DARK RED ERFURT.** Pkt., 10c; ½ oz., 20c; oz., 30c; 2 oz., 55c; ¼ lb., 85c; lb., \$3.00.

**DARK RED DUTCH** (Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 50c; lb., \$2.00.

## SAVOY CABBAGES

**IRON HEAD SAVOY**—Best of the early sorts. Round head, large and solid. Quality excellent. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**MARVIN'S SAVOY**—A large solid head, very early. An almost sure header most popular of this class. Pkt. 5c; ½ oz. 12c; oz. 20c; ¼ lb. 65c; lb. \$2.25.

**EARLY ULM SAVOY**—Very early sort. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.85.

**ALL HEAD SAVOY**—Conical head, fine quality. Early and solid. Pkt. 5c; ½ oz. 15c; oz. 25c.

**IMPROVED AMERICAN**—Standard main crop sort. Pkt. 5c; ½ oz. 15c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

# CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or early Scarlet Forcing.

For stock Carrots—Mastodon. White and Orange Belgian, see pages 52 and 53.

## EARLY CHANTENAY

### A Splendid Bunching Sort

A main crop variety, of reputation with market gardeners; very smooth, stump root, deep red color, fine grained, sugary, sweet; not liable to crack when growing, a fine table sort, and good cropper. Buy Vaughan's seed, it is carefully selected. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75; 5 lbs. \$8.00.

**VERY EARLY SCARLET FORCING**—(French Horn). Best variety for earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter. Pkt. 10c; oz. 25c; ¼ lb. 55c; lb. \$1.85; 5 lbs. \$8.50.

**EARLY SHORT SCARLET**—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

**NANTES HALF LONG EARLY**—For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs. \$7.00.

**HALF LONG DANVERS**—This is the stock usually bought by Seedsmen. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs. \$7.00.

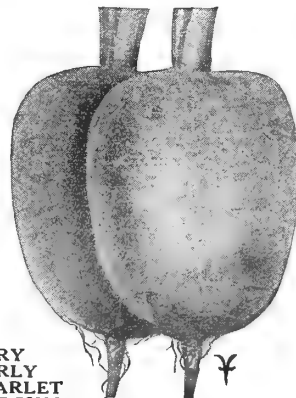
## IMPROVED LONG ORANGE

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs. \$7.00.

**CARROTS FOR STOCK**—The Mastodon, Long White Belgian and Orange Belgian, etc., see pages 52 and 53.

1 lb. Carrot Seed, Vaughan's Long Orange, for 75c, will sow one half-acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle, to 150 bushels of oats.



VERY  
EARLY  
SCARLET  
FORCING



EARLY CHANTENAY

## PLANT THE BEST

VAUGHAN'S NEW  
SNOWBALL

Our Cauliflower seed is from the most reliable growers in Northern Europe raised under ideal conditions.

# VAUGHAN'S

## VAUGHAN'S NEW SNOWBALL

For early out-door planting and forcing, Vaughan's "New Snowball" Cauliflower, is a strain of exceptional merit and value. In size, compactness and color, it is ideal for market; a well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit, is dwarf in growth with great compactness and very early heading—earlier than any other sort; being dwarf and compact means economy of space, when forced in the hot-bed. For wintering over to the early spring, for forcing during winter and early spring, and for early spring out-door planting, Vaughan's Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use—plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.25; oz., \$2.25; ¼ lb., \$8.00; lb., \$32.00.

**SPECIAL ERFURT GROWN. VERY DWARF FORCING.** This world-famous, German Cauliflower seed, is more than exceptional for first forcing, it is unequalled; but because of climatic conditions in its native Germany, in recent years, this famous strain has been short of supplying the native local demand. Fortunately for our customers, president J. C. Vaughan, when abroad, secured a supply from Erfurt's most famous grower; we offer the limited quantity we have to our customers at the following prices. Pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

**EARLIEST DWARF ERFURT.** Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Many planters who grow Cauliflower extensively, plant this and Vaughan's Snowball, two varieties that yield successively, a good supply of splendid quality. Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75; 2 oz., \$3.50; ¼ lb., \$7.00; lb., \$26.00.



**DANISH SNOWBALL.** Later than Vaughan's "New Snowball"—A splendid second early; we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results to our customers. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit, and at the price we ask, we believe it is the best cauliflower value on the market. Pkt., 10c; 3 pkts. for 25c; ½ oz., 85c; oz., \$1.50; 2 oz., \$2.75; ¼ lb., \$5.00; lb., \$20.00.

**Vaughan's Celery Manual.** By a practical grower of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Will be sent free, with a Celery Seed order of \$2.00, or with any general order for other seeds, amounting to \$3.00, if requested.



# VAUGHAN'S

## GOLDEN SELF-BLANCHING

### VAUGHAN'S SELECTED STOCK

The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfed, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. It is by far the most planted, most desired and used of all high class celery. When you purchase Vaughan's Seed of Golden Self-Blanching Celery, you secure the very best seed of the very best sort of celery that skillful growing and exceedingly careful selection, cleaning etc., can produce. Our selected stock is grown for us in France, by the introducers. Large growers plant this; we have been supplying it to them for years—they get profitable, satisfying results. We also have critical, experienced growers, producing seed for us in this country from our selected stock; this we sell at a lower price and it gives the most exacting customers complete satisfaction. Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00. American grown: Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.60; lb., \$6.00.

### GIANT GOLDEN HEART

This for winter storage is the best celery. Enjoys extensive popularity and always has done so since we introduced it years ago. It has unquestioned merit in quality, in flavor, sweetness, attractiveness, and size as well as for keeping. It is a selection of the "Dwarf Golden Heart," it is larger, and has all the parent excellent qualities. Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb. 60c; lb., \$2.00.

### WINTER QUEEN

An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a beautiful creamy white. This is a most valuable variety for winter and spring, excels "Perfection Heartwell" as a late winter keeper, and is much thicker, stouter and heavier. As a late celery it is worthy of first place in your garden for it is exceptional for long keeping quality—try it and it will be a favorite variety with you. A money-maker for the market grower. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50.

## CHICAGO GIANT SELF-BLANCHING

A first early celery introduced by Vaughan's Seed Store. A sort that can be put on the market ahead of any other variety. It is an Extra Early White variety; can be sown in February and marketed July 1st, a time of year

when fine celery is a table luxury. The whitest early celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., \$3.50.

### VEGETABLE NOMENCLATURE

Multiplicity of names in the list of Vegetable Seeds carried by the different Seedsmen causes a great deal of confusion to the amateur and market gardener planters. In line with what we believe to be for the best interests of both seedsmen and gardeners, Vaughan's Seed Store has been and is conducting trials on its own farms and is in consultation with growers and other seedsmen with an object in view of eliminating as much as practicable, superfluous and unnecessary kinds. This work will be a gradual process. If our customers fail to find old standards in this or future catalogs, write us and we shall undoubtedly be able to tell you some better or improved variety to use in its place.



GOLDEN SELF-BLANCHING



# CAULIFLOWER

We pride ourselves on the germination of our Cauliflower seed. We reclean and resift, selling high-growing, plump seed.

**PLANT  
THE BEST**

## DRY WEATHER CAULIFLOWER

DRY  
WEATHER  
CAULI-  
FLOWER

This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable warm weather conditions, this sort is very desirable; and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator and grower in Denmark. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.25; oz., \$2.25; ¼ lb., \$8.00.

### EARLIEST OF ALL

This is a Danish forcing strain of "Danish Snowball," a little smaller and a week to ten days earlier than Danish Snowball. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed. Pkt., 25c, 3 for 60c; ½ oz., \$1.40.

**LARGE LATE ALGIERS.** A vigorous late maturing variety for late fall use. Large heads. Pkt., 5c; ½ oz., 50c; oz., 85c; ¼ lb., \$1.75.

**AUTUMN GIANT.** In Southern localities this meets with favor as a large heading late fall sort. Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10; lb., \$4.00.

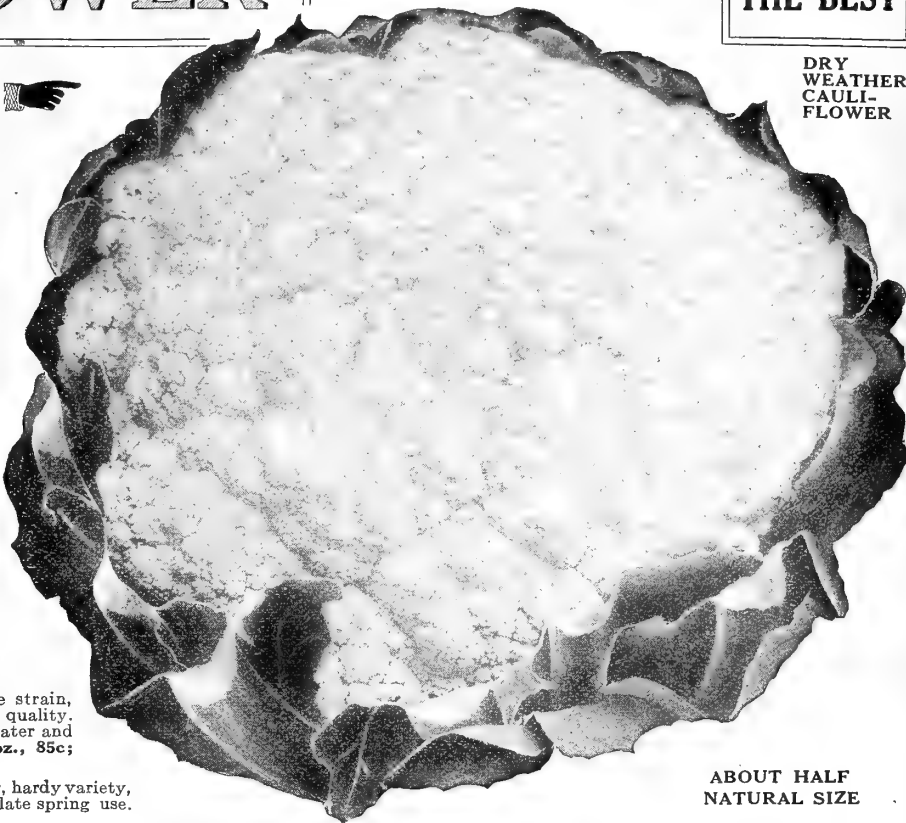
**EXTRA EARLY PARIS.** Very dwarf and early, for summer planting. Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50; lb., \$6.00.

**HALF EARLY PARIS.** Slightly larger and later than above. Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50; lb., \$6.00.

**LENORMAND'S SHORT STEM.** Bears large white head on short stems. Pkt., 5c; ½ oz., 30c; oz., 60c; ¼ lb., \$2.00.

**EXTRA EARLY OR SECOND ERFURT.** A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. Pkt., 10c; ¼ oz., 50c; ½ oz., 85c; oz., \$1.50; ¼ lb., \$5.00.

**LARGE EARLY ERFURT.** This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring use. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.



ABOUT HALF  
NATURAL SIZE

# CELERY



Celeriac or Turnip-rooted  
Celery, see page 24.

For the Home Garden, plant—Golden Self-Blanching, Vaughan's select stock for yellow. Chicago Giant Self-Blanching, White Plume and Winter Queen for white.

## GIANT PASCAL

The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and marketableness. Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

### STANDARD SORTS

Prices of these kinds: Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00, postpaid.

**PERLE LE GRAND.** A popular, extra large, fine, green celery for both early and late use. A fine winter keeper.

**EVANS' TRIUMPH.** One of the best late sorts. Excellent quality and good keeper.

**ROSE RIBBED GOLDEN SELF-BLANCHING.** (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue. Pkt., 10c; ½ oz., 30c; oz., 50c.

**PERFECTION HEARTWELL.** Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

**SCHUMACHER.** Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

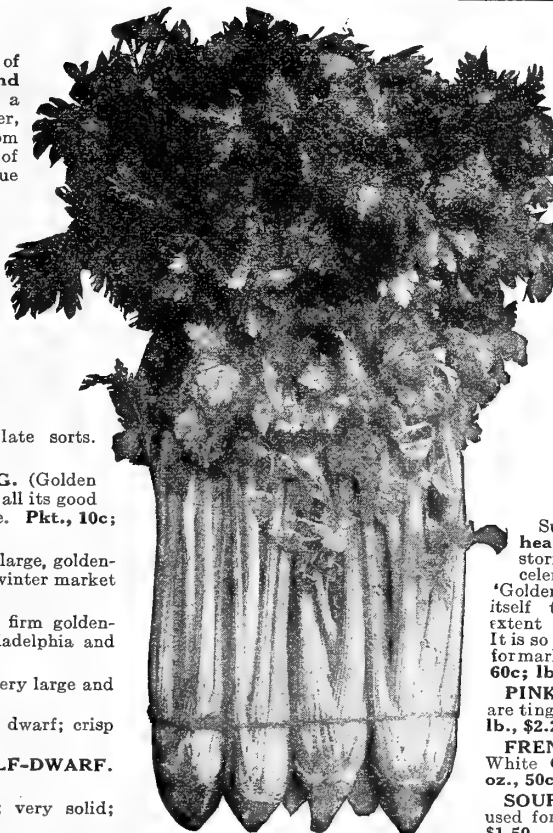
**FAR SUPERIOR "MANY HEART."** Late, very large and fine; popular in Philadelphia.

**BOSTON MARKET.** White and solid; very dwarf; crisp and tender.

**CRAWFORD'S OR HENDERSON'S HALF-DWARF.** Solid yellowish-white; nutty flavor.

**GIANT WHITE SOLID.** Of tall, large size; very solid; pure white.

**KALAMAZOO.** Half-dwarf; white and solid.



WHITE PLUME

## WHITE PLUME

With gardeners throughout the northern country this sort is most widely planted and highly valued. Of the white varieties this is recognized the best. Amongst market growers it is popular because it has excellent marketable qualities; with consumers it is a favorite because of its appetizing appearance, and crisp, tender, and altogether desirable eating qualities. Its habit of growth is vigorous, stalks are uniformly white, and large sized; as a seasonable variety it is a money maker for the market gardener. We do not recommend it as a keeper, but wholly as a splendid sort in its season, for which it has the highest endorsements by the most capable professional growers and critics. For fall and early winter White Plume Celery grown from Vaughan's seed, offers to the market growers at trade-building, money-making sort, the results of which will give them satisfaction. Selected stock—Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50; ¼ lb., 85c; lb., \$3.00, postpaid.

Regular stock—Pkt., 10c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., \$2.00.

### DWARF GOLDEN HEART

Surrounded by solid, shapely stalks, is a large heart, which blanches to a beautiful yellow, after storing. This sort has great popularity in many celery-growing centers. It is a long keeping "Golden Dwarf" of established merit; having attached itself to public and professional favor to such an extent as to displace many other well-known sorts. It is so shapely and solid that it requires little trimming for market. Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**PINK PLUME.** Similar to White Plume. Stalks are tinged with pink. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**FRENCH'S SUCCESS.** A fine keeping Winter White Celery. Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 85c; lb., \$3.00.

**SOUP CELERY or SMALLAGE.** Green foliage used for soups. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**OLD CELERY SEED.** Oz., 5c; ¼ lb., 20c; lb., 50c.

# PLANT THE BEST

NOTE—Witloof Chicory or French Endive furnishes a delicious salad all winter. It is easily grown.

# VAUGHAN'S RARER



## BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

### IMPORTED DANISH.

Hardy and a heavy yielder. A fine variety originated and grown in Denmark. Pkt., 10c; ½ oz., 20c; oz., 35c.

### PARIS MARKET.

Half dwarf, excellent yielder. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

### IMPROVED DWARF.

Dwarf habit and less liable to aphids than others. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

## BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

### Large White Mammoth

—Good white heads. Pkt., 10c; ½ oz., 30c; oz., 50c.

**Purple Cape**—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c;

½ oz., 35c; oz., 60c.



CHICORY—Witloof

## GERMAN CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit; cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac**. The roots keep well in winter—recipes for preparing enclosed with seed.

**NEW CELERIAC, "DELICATESS."** Roots are oval, perfectly smooth; no side roots—never rusts. Flesh is pure white, tender, and general excellent quality; this kind does very well on light soils. Pkt., 10c; 2 pkts., 15c; oz., 40c.

**EARLIEST OF ALL.** Ready in June; pure white flesh, very tender. Pkt., 10c; ½ oz., 30c; oz., 50c.

**GIANT PRAGUE.** Excels in quality, size and appearance; not like common sorts, which are often crooked and have a lot of useless roots. **Giant Prague Celeriac** is the main crop variety, nearly globe shape and almost twice the size of Erfurt—only a few rootlets at bottom—the American growers favorite—most popular sort. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### LARGE ERFURT.

A standard. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### CHICORY, WITLOOF—

(FRENCH ENDIVE). A European delicacy, now standard in all best hotels and restaurants in the U.S. and abroad. It is easily grown—plant in spring; parsnip-like roots grow, which are stored in sand until wanted for growing on in winter; full directions on each package. Pkt., 10c; oz., 30c;

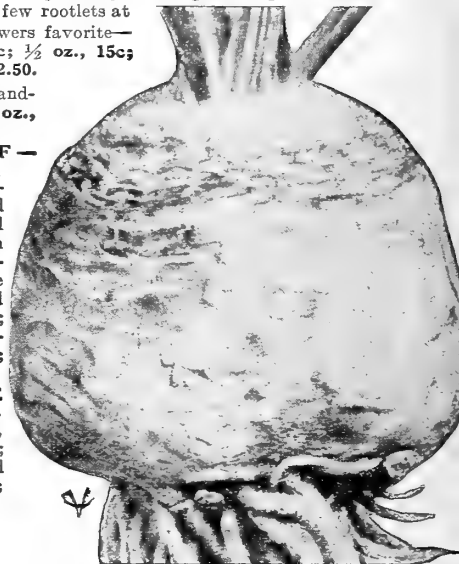
¼ lb., 85c; lb., \$3.00.

### CHICORY, LARGE

**ROOTED MAGDEBURG.**

Roots are cut in thick slices, roasted and used as coffee; in spring, leaves make good salad. Pkt., 5c; oz., 15c;

¼ lb., 50c; lb., \$1.75.



CELERIAC—Giant Prague

**CARDOON.** Main stalks are blanched like Celery, used for salad or in soups. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**CHERVIL.** (Koerbel; Cerfeuil.) Similar to Parsley, handsome for garnishing. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**COLLARDS.** A variety of cabbage used in Southern states. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

## KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

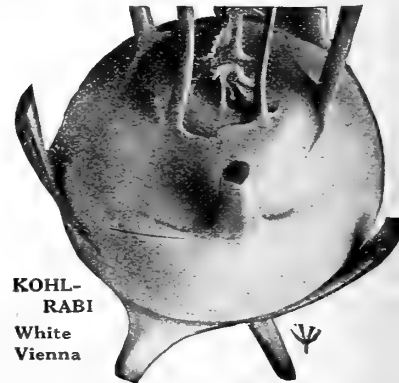
Bulbs grow above ground, are stripped and cooked like Turnips, than which they are much sweeter and have finer flavor.

**KING OF THE EARLIES.** An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor. Directions for raising and cooking with each package. Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., \$3.00.

**EARLY WHITE VIENNA.** White and tender. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

**EARLY PURPLE VIENNA.** Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

**SHORT TOP EARLY ERFURT.** For forcing in open ground. White flesh, very tender, short leaves. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., \$2.60.



LEEK

**LARGE MUSSELBURG.** Enormous leaves, broad, pleasant flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**BROAD SCOTCH or LONDON FLAG.** Hardy; a broad, strong plant, with broad leaves. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

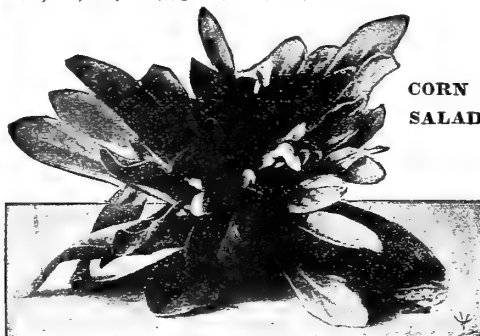
**ROUEN, VERY LARGE WINTER.** Large, excellent—best of all. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**LONG MEZIERES.** One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow white; fine flavor; very hardy. Unsurpassed for market garden. Pkt., 5c; oz., 20c; ¼ lb., 45c; lb., \$1.65.

**BULGARIAN WINTER.** One of the most desirable Leeks, extremely hardy, enormous size. Crop failure.

## CORN SALAD

**CORN SALAD.** (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



CORN  
SALAD

## GARDEN CRESS

**PEPPER GRASS.** (Garten Kresse; Cresson Allenois.)

**CURLED GARDEN.** Used with Lettuce, it adds an agreeable pungency. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**UPLAND CRESS.** Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 5c; oz., 20c; ¼ lb., 50c.

**WATER CRESS.** (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 10c; 3 for 25c; oz., 30c.

## DANDELION

**DANDELION.** (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35; lb., \$5.00.

**KOHL-  
RABI**  
White  
Vienna

# VEGETABLES

**Vaughan's Vegetable Cook Book**  
Tells how to cook and use rarer vegetables. Price, heavy paper cover, 25c; or free to every customer who buys garden seed to the amount of \$2.00 and upwards, and asks for same.

**PLANT  
THE BEST**

## NEW YORK EGG PLANT—Vaughan's Improved

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Plant Vaughan's seed. Pkt., 10c; oz., 45c.,  $\frac{1}{4}$  lb., \$1.35; lb., \$5.00.

**BLACK BEAUTY.** Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. Plant Vaughan's seed. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.50.

**BLACK PEKIN.** Round shape, and almost black; flesh is white and solid, fine grain and delicious flavor. It is early and a good marketable size egg plant. Plant Vaughan's seed. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**VERY EARLY DWARF PURPLE.** This variety is extremely early, it resembles "New York Improved" in shape and color, but is smaller and earlier. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.75.

## ENDIVE

**ENDIVE SALAT—CHICORY ENDIVE.** A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

**GREEN CURLED SUMMER.** Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GREEN CURLED WINTER.** Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**AUTUMN GIANT.** New; truly gigantic in size; ideal for early use; does not stand severe frost. Pkt., 10c; oz., 25;  $\frac{1}{4}$  lb., 85c.

## NEW YORK IMPROVED



**STAGHORN,** best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market, where it is "A money maker." Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GIANT FRINGED OR OYSTER.** Most beautiful snow white heart, fine delicate green fringe. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.40.

**MOSS CURLED.** Fine sort. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**EVER WHITE CURLED.** Very crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**BROAD LEAVED.** Slightly curled. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GARLIC—Selected Bavarian KNOBLAUCH—Ail.** This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. Lb., 25c; 3 lbs., 65c; 5 lb., \$1.00; 10 lbs., \$1.75. If by mail add 10c per lb. for postage. **ORDINARY GARLIC**—Write for prices.

## HORSE RADISH SETS

**ORDINARY HORSE RADISH.** Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. 100, 75c; (by mail 85c); 500, \$2.75; 1000, \$5.00.

## KALE OR BORECOLE

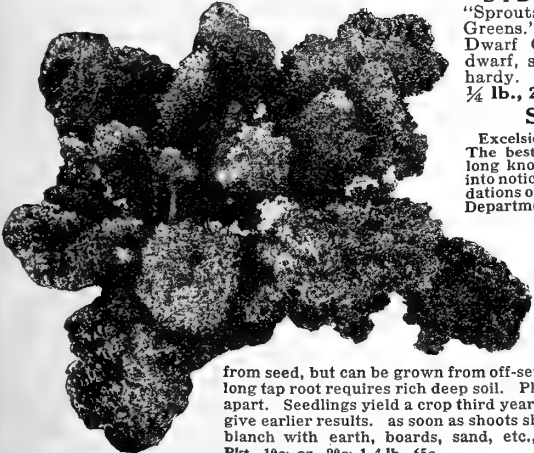
Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Much used by German-Americans.

**DWARF GREEN CURLED KALE.** Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**VAUGHAN'S EXCELSIOR MOSS CURLED KALE.** By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**TALL GREEN FINE CURLED.** Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

## EXCELSIOR MOSS CURLED KALE.



**SIBERIAN.** Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

## SEA KALE

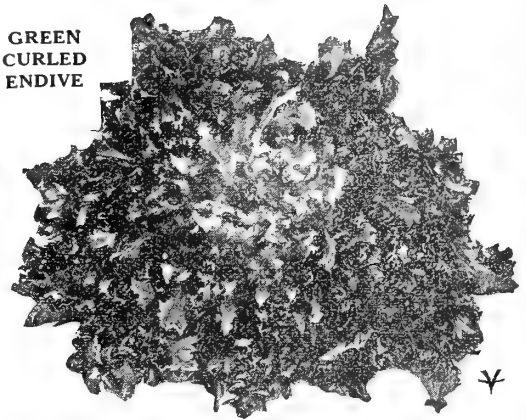
**Excelsior Moss-Curled Kale.** The best of all. A vegetable long known but until brought into notice through recommendations of the U. S. Agricultural Department, suffered neglect.

Ready for use earlier than Asparagus, and combines flavor of that grass and Celery. Its blanched stalks are cooked like Asparagus or the leaves may be used as greens. Sea Kale comes usually

from seed, but can be grown from off-sets or root cuttings. The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year, though some reports give earlier results. as soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. Pkt., 10c; oz., 20c; 1-4 lb., 65c.



**GREEN  
CURLED  
ENDIVE**



**BLACK BEAUTY—An Early variety, suited for northern planting**

**NEW BOHEMIAN HORSE RADISH OR MALINER KREN.** An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets of Roots, per doz., 25c, postpaid; by express, 50 for 65c; 100 for \$1.25; 1000, for \$8.00.



**VAUGHAN'S  
MAMMOTH  
RHUBARB**

## RHUBARB

**VAUGHAN'S MAMMOTH.** Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. Seed Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

**LINNAEUS.** A standard variety. Seed pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

**CHICAGO GIANT.** This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and consider it the best. Seed Crop a failure. Roots, good sized clumps, by express, 50c each.

**RHUBARB ROOTS.** Set in spring they will furnish leaf stalks the following season; clumps each 15c; doz., \$1.50, not prepaid. Small roots each 15c; doz. \$1.50, by mail, postpaid. Large clumps, by express, 25c to \$1.00.



## PLANT THE BEST

A large Market Gardener, always first in the market with sweet corn, drills his early corn starting in April. Each week he drills in a new planting 4 inches from the first. When the weather settles the earliest planting not injured by cold weather is left standing.

FAMOUS  
EARLIES

# VAUGHAN'S

**FINEST TYPES EACH GROWN**



### MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn. The ears are as long with two to four more rows of kernels set close, so there is no loss of space in

the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is **grown and bred on our own farms.** No more careful selection can be practised than we use, and ears are dried in crates to insure high germination. **Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.**

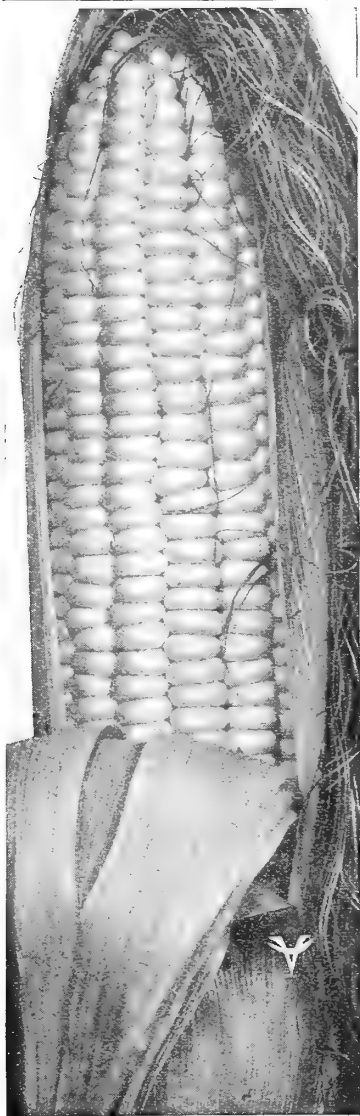
### GOLDEN BANTAM

A delicious early Sweet Corn of superlative merit. The planting of a small patch of Golden Bantam and the resulting joy and delight of eating it fresh from the garden, when sweet corn is always at its best, has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow

sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. The golden kernels are lightly covered with a glossy skin, seemingly ready to burst. Stalks medium high and with heavy foliage. Our seed is **our own growing and the best** we have been able to find. **Pkt., 10c; pint, 30c; quart, 60c; ½ pk., \$1.85; pk., \$3.50; 100 lbs., \$28.00.**

### VAUGHAN'S BANTAM EVERGREEN

*A corn of Golden Bantam QUALITY of the RIGHT SIZE. It is a product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell*



**MAMMOTH WHITE CORY**

**MALAKOFF.** One of the earliest real sweet corns, a week earlier than "Mammoth White Cory." **Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.**

**EARLY IOWA.** A fine sweet corn. A week earlier than "Mammoth White Cory," ears and stalks between the sizes of Mammoth White Cory and Malakoff. **Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.**

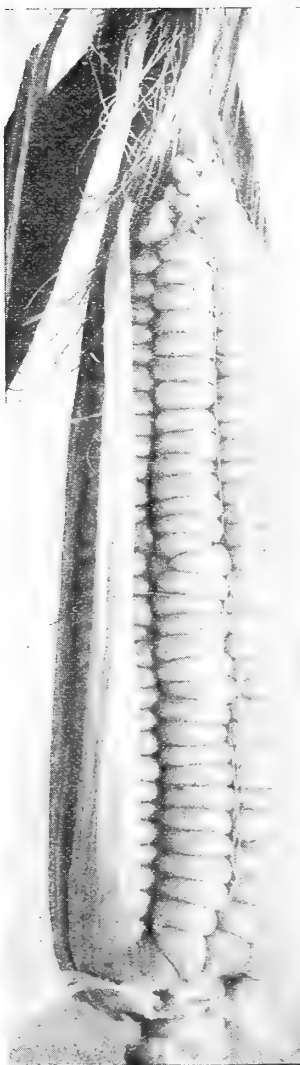
**PEEP O'DAY.** Similar to Malakoff, it is one of the earliest. Stalks about 3½ feet high bear usually two ears each, kernels white. We grow our seed in the north to insure earliness. **Pkt., 10c; pint, 25c; qt., 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.**

**EARLY MINNESOTA.** A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. **Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.20; pk., \$2.15; 100 lbs., \$17.00.**

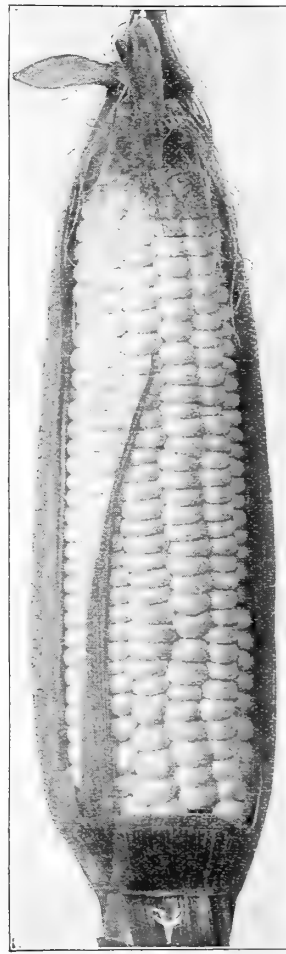
**METROPOLITAN.** Popular in eastern states, seasons between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Germinates well in cold soil, ready for use between 1st and 2nd earlies. **Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.35; pk., \$2.50; 100 lbs., \$20.00.**

	Pt.	Qt.	½ Pk.	Pk.	100 lb.
Early Cory, true type, red cob, good size...	20c	40c	\$1.10	\$2.00	\$16.00
Adam's Extra Early...	15c	30c	.70	1.25	8.00
Adam's Early.....	15c	30c	.70	1.25	8.00

Any of the above per pkt., 10c.



**GOLDEN BANTAM**



**EARLY CHAMPION**

### EARLY CHAMPION

Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory," the ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The cobs are medium size, quite handsome in appearance and are often borne three on a stalk. Planted by many gardeners in some localities for both early and late. Our stock is very uniform and well bred.

**Pkt., 10c; pt., 25c; qt., 45c; ½ pk., \$1.35; pk., \$2.50; 100 lbs., \$20.00.**

**EARLY CROSBY.** A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. The much prized Maine canned corn is grown from this variety.

**Pkt., 10c; pt., 30c; qt., 60c; ½ pk., \$1.85; pk., \$3.50**

**LATE MAMMOTH.** Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Most popular New York market variety.

**Pkt., 10c; pt., 30c; qt., 50c; ½ pk., \$1.45; pk. \$2.75; 100 lbs., \$20.00.**

**PREMO.** Early, fine Sweet Corn, medium high stalks, ears have 8 rows of good quality corn, quite hardy, may be planted early.

**Pkt., 10c; pt., 25c; qt., 45c; ½ pk., \$1.25; pk., \$2.25; 100 lbs., \$18.00.**

# SWEET CORN MAIN CROP

Fertilize the Sweet Corn ground if you want high sugar contents. See Fertilizer Pages. Vaughan's 2-8-1 is a good one for Sweet Corn.

**PLANT THE BEST**

## UNDER ITS OWN CONDITIONS

### STOWELL'S EVERGREEN

The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the deep set white kernels of sweetness are tender and very fine, which accounts for the great popularity this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized in this grand sweet corn for many years, and we



say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in other sections of the United States. We quote prices here for New England grown seed, and also for seed grown in the central states. **Stowell's Evergreen (Eastern Connecticut grown).** Pkt., 10c; pint, 35c; quart 60c; ½ pk., \$1.85; pk., \$3.50; 100 lbs., \$28.00. (Western grown Eastern Stock Seed). Pkt., 10c; pint, 30c; quart, 55c; ½ pk., \$1.75; pk., \$3.25; 100 lbs., \$26.00.

### COUNTRY GENTLEMAN

Is a late main crop variety, which should find a place with every grower for home or market. The ears, which are seven to nine inches long are borne on stalks six to seven feet high. Unlike other sorts the grains are small and rather round and crowded together on the cob, instead of forming in defined



rows. Deliciously tender and sweet, this corn is regarded by many as having the highest quality of all corns. Vaughan's strain has been especially selected for small deep kernels and high sugar contents and represents the highest bred type of this corn. Pkt., 10c; pint, 35c; quart, 70c; ½ pk., \$2.15; pk. \$4.00.

### BEST AND SWEETEST SUGAR CORN

a merchantable sized ear of corn superior in quality to any on the market. Grown and bred in New England, the home of sweet corn, where it is pronounced the SWEETEST CORN EVER EATEN. Pkt., 15c; pint, 40c; qt., 75c; half peck, \$2.35; peck, \$4.50.



### EARLY EVERGREEN

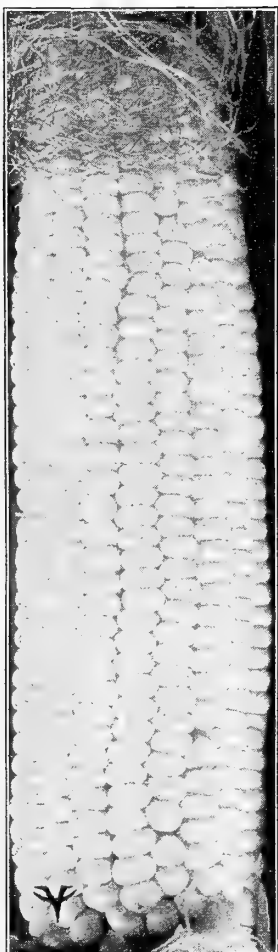
Very large ears are characteristic of this sort, it is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort.

Reliable seed of this well known variety is at your command in Vaughan's Seed Store.

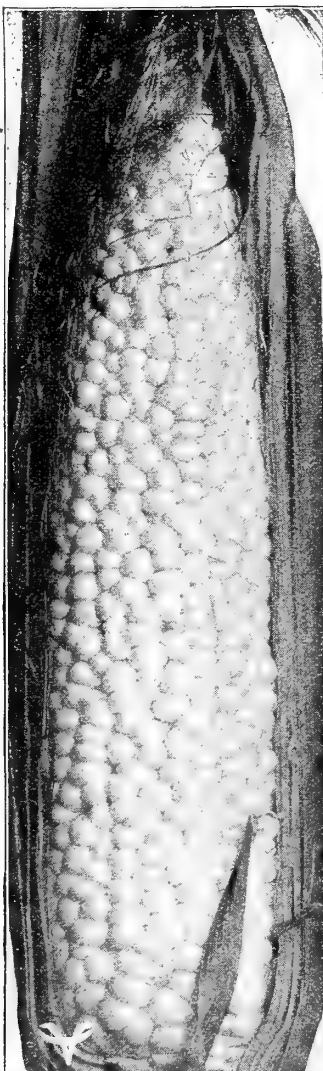
Pkt., 10c; pint, 35c; quart, 60c; ½ pk., \$1.85; pk., \$3.50;

### IMPORTANT NOTE

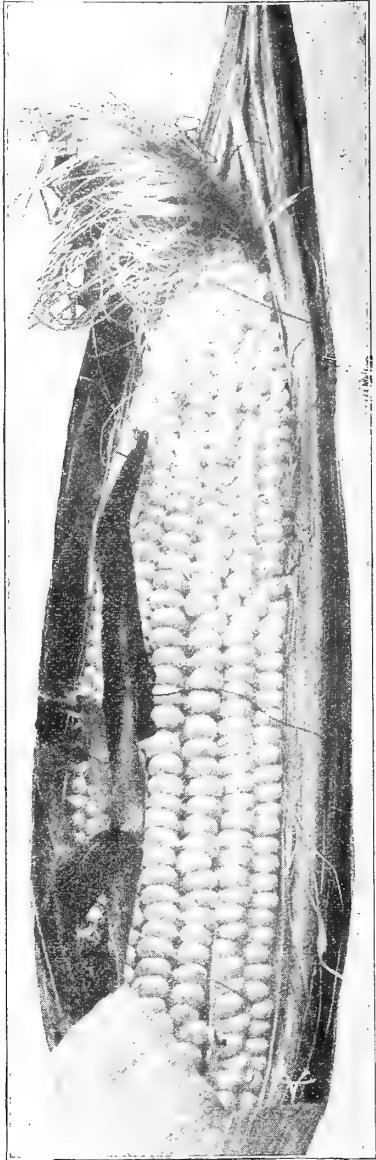
Field and Sweet Corn Breeders are now convinced that better quality corn, higher yields, and earlier maturity are to be expected where carefully bred local seed is used, than from stock brought from a distance. This explains controversies regarding earliest corn varieties—where each planter using his own seed had earlier corn than any he could buy. Our New York Store sells New England seed of nearly all early varieties, and Chicago house uses Michigan, Minnesota and Ohio seed of the same types.



EARLY EVERGREEN



COUNTRY GENTLEMAN



STOWELL'S EVERGREEN

**BLACK MEXICAN.** Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt., 10c; pint, 25c; quart, 45c; ½ pk., \$1.35; pk., \$2.50; 100 lbs., \$20.00.

**VAUGHAN'S BLACK SUGAR.** This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

Pkt., 10c; pint, 30c; qt., 55c; ½ pk., \$1.60; pk., \$3.

Pkt., any of the following, 10c. (See prepayment of Sweet Corn on inside front cover).

	Pt.	Qt.	½ pk.	Pk.	100 lb.
Kendall's Early Giant	25c	45c	\$1.35	\$2.50	\$20.00
Early Mammoth	30c	50c	1.45	2.75	20.00
Moore's Early Concord	30c	50c	1.45	2.75	22.00
Old Colony	30c	55c	1.75	3.25	26.00
Hickox	30c	50c	1.45	2.75	20.00
White Evergreen	35c	60c	1.85	3.50	28.00
Late Mammoth	30c	50c	1.45	2.75	20.00
Perry's Hybrid	25c	45c	1.35	2.50	20.00
Narrow Grained Evergreen	35c	70c	2.15	4.00	

**Sweet Corn for Succession.** Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer. 1 pkt. each (3 varieties), 25c; pint, 65c; quart, \$1.20.

**Vaughan's Sweet Corn Specialties**  
Mammoth White Cory  
Golden Bantam  
Early Iowa  
Malakoff  
Early Champion  
Stowell's Evergreen

## PLANT THE BEST

Cucumbers for slicing are generally of the white spine type. For general home garden use, Vaughan's Arlington White Spine in a Medium sized variety and Davis Perfect in a long sort will be found very satisfactory.

## STANDARD VARIETIES

# VAUGHAN'S

### VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is **early**, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh **firm** but **tender**, with delicious flavor, these surpassing qualities have made it a great favorite.

In the southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the **Standard** for both home and market gardens. For northern markets it may be a trifle small, but for home garden, it has no superior and is indeed **very**

**popular**. Vaughan's Improved Arlington White Spine, cannot be too strongly commended, because its fine appearance, and splendid quality gain popularity everywhere.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

### VAUGHAN'S BOSTON FORCING WHITE SPINE

In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston Forcing Cucumber" is the "top notch" of forcing varieties, in both price getting and popular favor. Add to this the fact that the vines are remarkably strong and very productive, 25% better than forcing sorts, and you will understand why this splendid cucumber is a big money maker and a great favorite. The fruits are very even, smooth, slender, with dark green skin and whitish markings more blended than is usual, and the quality **very superior**. For hot-bed and outdoor planting in southern localities this is a money-maker for market growers. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**CYCLONE**. 3 to 4 inches long, earliest of the white spines; prolific. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**IMPROVED WHITE SPINE**. Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

**EMERALD**. Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**NICHOLS MEDIUM GREEN**. Old popular early sort, medium size, straight, smooth, dark green, crisp, good flavor, for pickling and slicing; prolific vines. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**COOL AND CRISP**. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

### ODD CUCUMBERS

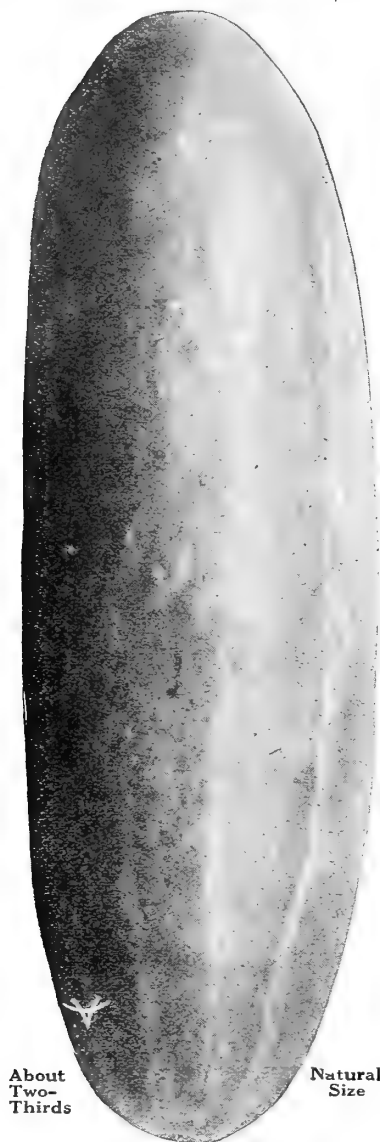
#### Japanese Climbing.

Grows quickly on poles or trellis, takes up little room in the garden. Fruits are good size, fine flavor, especially good for slicing and salads; does best in dry warm summers.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**Lemon Cucumber**. Not the same as the Garden Lemon (see page 33), though similar in appearance, it is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 5c; oz., 25c.

**Serpent or Snake**. A curious, usually much twisted cucumber. Pkt., 5c; oz., 20c.



VAUGHAN'S ARLINGTON WHITE SPINE



VAUGHAN'S BOSTON FORCING WHITE SPINE

### WESTERFIELD'S CHICAGO PICKLE

Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market.

The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great

pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed.

When ripe the fruit is medium size, pointed at both ends, has large prominent black spines; the vines set fruit when young and continue bearing longer than other varieties.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

### IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end,

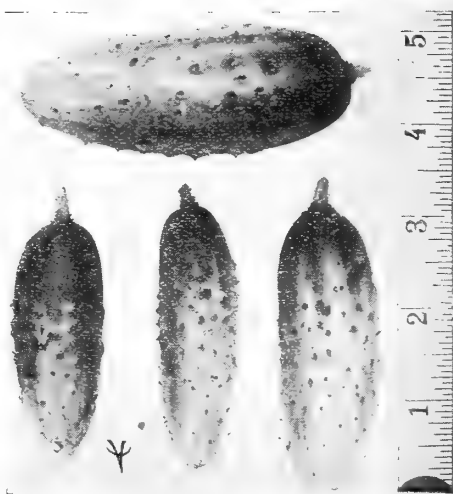
while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

### THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

## PICKLING





# CUCUMBERS

SUITED TO ALL  
LOCALITIES

VAUGHAN'S Cucumber  
Specialties. Vaughan's Per-  
fect Improved Long Green.  
Westerfield's Chicago Pickle.  
Snow's Fancy Pickling.

PLANT  
THE BEST

## IMPROVED LONG GREEN

Vaughan's strain of "Long Green," is a strain improved and developed by re-selection. The vines of our strain are **very vigorous**, and **productive**; the fruits (12-inches long) are formed almost as early as are the short sorts. As a cucumber of the "black spine" variety, for **slicing** and for **pickles**, this is one of the very best. The flesh is very firm and crisp and has a **distinctive fine flavor** quite its own; they make excellent pickles, and when yellow and ripe the **best sweet pickles**. The fine **dark green** color, the size, shape, crispness, and flavor, make this the **best** of the "black spine" varieties. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.50.

## DAVIS PERFECT

Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the **extra long white spine** cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the **best blight resister** of the long sorts. The many individual points of Vaughan's "Davis Perfect" cucumber are the result of carefully grown and re-selected seed to maintain the splendid qualities that distinguish this strain: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. Stock seed—pkt., 15c; 2 for 25c; ½ oz., 60c; oz., \$1.00.

### EXTRA LONG WHITE SPINE OR EVERGREEN

Like Vaughan's "Davis Perfect," "Extra Long White Spine," is a **great blight resister**. This sort is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh; for general market and home use; a **popular standard** amongst the long white spines. It is **very early**, vigorous, and prolific of growth and far more blight proof than any of the ordinary sorts. Our high-class strain is the result of many years of painstaking trials and re-selections of the best grown seed. Select stock, pkt., 5c., oz., 10c; ¼ lb., 30c; lb., \$1.00.

**ROCKY FORD (Klondyke)**—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper; good dark green color, which it keeps. Fine for shipping. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

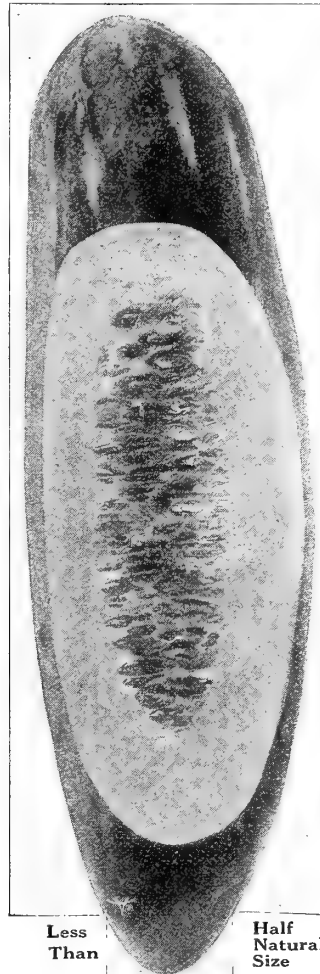
**NEW CENTURY**—A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**FORDHOOK FAMOUS**—White Spine. As long as the "Davis," slightly bent, but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



About  
One-  
Third  
Nat-  
ural  
Size

EXTRA LONG WHITE SPINE



Less  
Than  
Half  
Natural  
Size

DAVIS PERFECT CUCUMBER



IMPROVED LONG GREEN

# CUCUMBERS



## SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle,

have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**VAUGHAN'S XXX PICKLING.** Fruits protrude from under the vine, making picking comparatively easy. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**WEST INDIA GHERKIN.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

### ENGLISH FRAME CUCUMBERS

**Rollison's Telegraph.** A standard greenhouse variety. English greenhouse grown. Pkt., 50c.

**Prescott's Wonder.** Fine flavored. Good yielder. Pkt. (50 seed's), 25c.

**Carter's Model.** One of the best English varieties. Large, straight, smooth. Pkt. 25c, 3 for 65c.

**Noa's Forcing.** An old standard. Pkt., 50c.

**Vaughan's Prolific Forcing.** Early, shorter than others, uniform, prolific. Pkt., 20c; 3 for 50c.

**Grand Rapids Forcing.** A very long American sort. Pkt. (65 seeds), 50c net.

	Pkt.	Oz.	¼ lb.	lb.
Extra Early Green Prolific or Boston Pickling....	5c	10c	30c	90c
Early Cluster.....	5c	10c	30c	90c
Fordhook Pickling.....	5c	10c	30c	90c
Early Frame or Short Green.....	5c	10c	30c	90c

## PLANT THE BEST

Four new lettuce varieties of merit will be found on novelty page 6.

## LOOSE LEAF OR CURLED SORTS

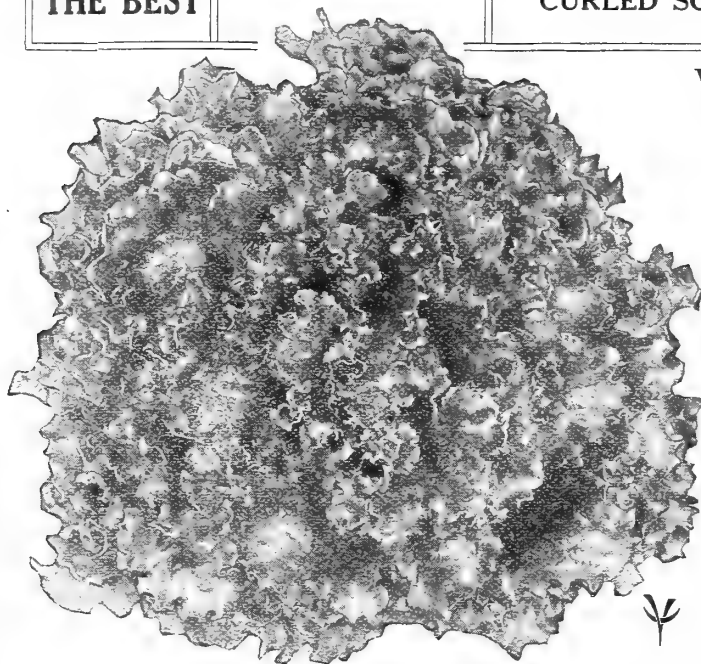
# VAUGHAN'S

## VAUGHAN'S SELECTED LETTUCE STOCKS



### GRAND RAPIDS VAUGHAN'S SELECTED STOCK

A home garden favorite, extensively planted for market.



Grand Rapids Lettuce is for hot-bed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and their upright habit requires little room in the bed, which permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green and daintily curled, the flavor of which when eaten is sweet and delicious, tender and crisp. This lettuce secures many buyers, and makes profit for the market growers who plant it; and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

**Vaughan's Selected Stock:** pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.50; 5 lbs., \$6.50.

**Regular Stock:** Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.50.

**TILTON'S WHITE STAR.** Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are very broad, thick, less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**EARLY PRIZEHEAD.** Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days. Always buy **Vaughan's Selected Stock.** Type, quality and germination of the seed make it cheaper.

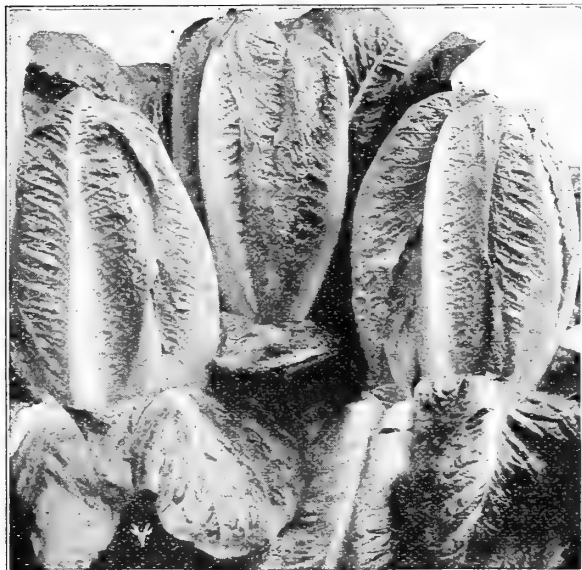
**BLONDE BEAUTY.** Try this. It's worth while. A remarkable heat resister, excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Splendid for home garden.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**UNRIVALED.** A light green strain of Big Boston.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**CALIFORNIA CREAM BUTTER.** One of the best summer varieties. Heads good size and so solid they often have to be cut to let seed shoots appear. Beautiful appearance, crisp, rich, buttery flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



EXPRESS COS LETTUCE

### COS LETTUCE

Considered by many to be the highest type of lettuce; has distinct upright habit, very crisp and sweet.

**EXPRESS COS.** A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**PARIS WHITE COS.** Grows to large size. Self-closing.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**TRIANON COS.** Similar to above, but grows whiter and matures earlier. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

## CABBAGE OR

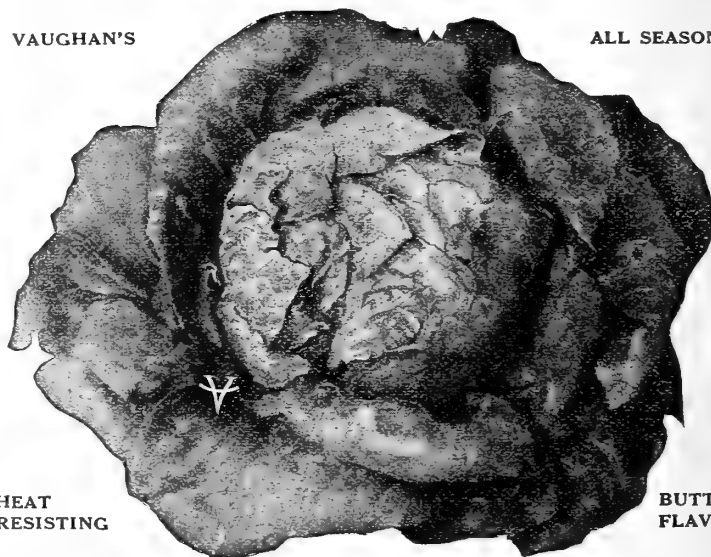
### VAUGHAN'S ALL SEASONS

In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish-green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term **excellent**; the inner leaves blanch beautifully. This sort is a **sure header** and **slow to run to seed**. Vaughan's introducer's, selected stock, is the exclusive favorite of Chicago market growers.

Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.50.

VAUGHAN'S

ALL SEASONS



HEAT  
RESISTING

BUTTERY  
FLAVOR

**MAY KING EARLY.** A very early heading variety has long been sought—here it is. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close to medium sized head, permitting close planting in frames—the heart is a beautiful, appetizing yellow, very tender, excellent quality.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**ST. LOUIS BUTTER-HEAD.** Extensively planted by market gardeners. Has gained great popularity since the St. Louis World's Fair in 1904; demand for it increases yearly. Large, solid head, beautiful crumpled leaves, yellow center. Vaughan's strain gives highest results. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



# LETTUCE

LOOSE LEAF OR  
CURLED SORTS

**Vaughan's Lettuce Specialties**  
Big Boston, Select Stock.—Has the highest reputation in southern market sections.  
Grand Rapids Select.—The greenhouse grower's standard.  
Vaughan's All Seasons.—Black seeded Simpson, select stock.

**PLANT  
THE BEST**

## ARE STANDARD FROM COAST TO COAST BLACK SEEDED SIMPSON

Very popular with Home  
Gardeners and Market Growers

**Black Seeded Simpson Lettuce** is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head, they are handsome green and beautifully frilled and crumpled; have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground; a high class all around lettuce, an unsurpassed heat resister, and one especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. The fine appearance and splendid quality of this lettuce, make it a success on the market, and in the home garden.

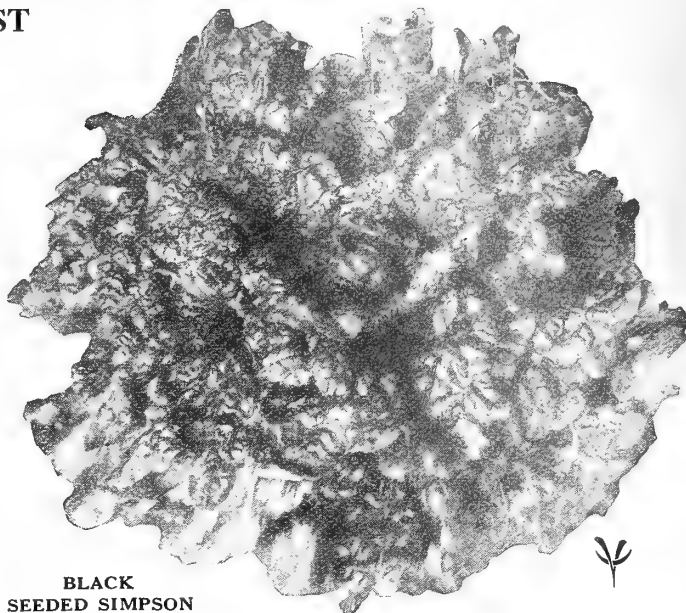
**Vaughan's Selected Stock:** Saved from extra selected plants. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.50; 5 lbs., \$6.50.

**Very choice stock:** Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.50.

**EARLY CURLED SILESIA:** A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**EARLY CURLED SIMPSON:** White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**THE MORSE:** Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



BLACK  
SEEDED SIMPSON

**DENVER MARKET FORCING:** Early, forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

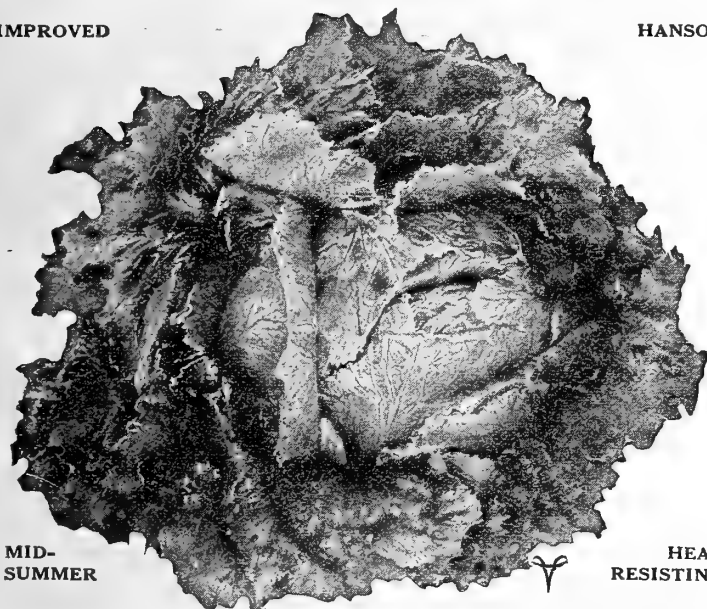
## HEAD LETTUCE

### IMPROVED HANSON

On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. In the central states it shows exceptional merit and is standard everywhere on every market, and popular for the home garden. A sure header—always reliable. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

IMPROVED

HANSON



MID-SUMMER

HEAT  
RESISTING

**PERPIGNAN OR DEFIANCE.** Excels for long standing, an uncommon quality. One of the finest new varieties, resists heat better than most others. Heads are large, firm and solid, seed shoots come through by cutting plant open. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**MAXIMUM OR IMMENSITY.** A new lettuce; a wonderful heat resister; even in the hottest weather it remains long without going to seed. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**DEACON.** Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow, rich buttery flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**ICEBERG.** Extremely hard heading, has finely indented leaves. Good for home or market garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

### BIG BOSTON

**Big Boston Vaughan's Selected Stock.** With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable first early. Plants are vigorous, mature large heads of bright green leaves which are very tender. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.50.



### OTHER GOOD SORTS

**Brown Dutch.** Standard early. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**Buttercup.** Lightest green and most yellow of all sorts. Excellent quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**Golden Queen.** A good first early. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**Giant Crystal Head.** White, solid, extra quality. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.50.

**Giant Glacier.** Largest head. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.50.

**Mammoth Black Seeded Butter.** Large hard heads. A favorite everywhere. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**New York.** Large white leaves. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.65.

**Salamander.** Good all seasons. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**Tennis Ball.** Black seeded. One of best standard sorts. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**Tennis Ball (Boston Market).** White seeded. A good forcing sort. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

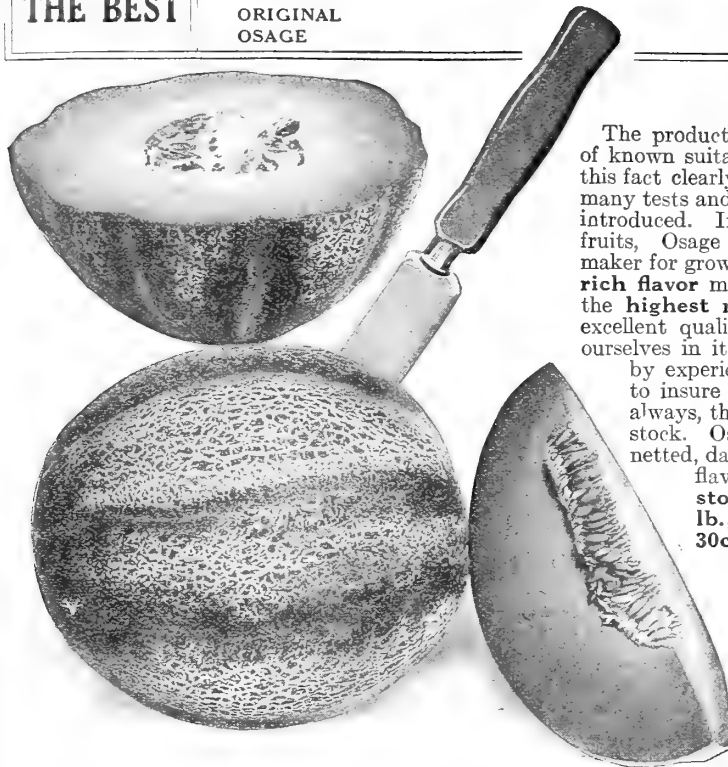
**White Summer Cabbage.** Green, very hardy, popular. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**PLANT  
THE BEST**

VAUGHAN'S  
ORIGINAL  
OSAGE

# VAUGHAN'S

## VAUGHAN'S ORIGINAL OSAGE



The production of muskmelons for profit, implies that the selection of varieties of known suitability for certain soils, is of first and prime importance. With this fact clearly in mind Vaughan's Original Osage melon is offered, it has stood many tests and proven its worth as the **best general purpose muskmelon** yet introduced. In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well as a profit maker; in sandy soil it is at home, and a money maker for growers. Seldom indeed is there a poor quality Osage, it holds its **own rich flavor** much longer than other sorts, while a **well grown Osage** represents the **highest muskmelon quality**. We take great care to maintain our known excellent quality of seed, as the introducers of this excellent melon we pride ourselves in its standard of melon quality and the esteem in which it is held by experienced melon growers. We carefully re-select our strain each season to insure the maintenance of quality, size, shape and vine growth, we are always, therefore, able to supply our customers from reliable and uniform stock. Osage is a melon about 3 times the size of a Rocky Ford, has a well netted, dark skin, and smooth, salmon-color flesh of superb quality and rich flavor. A popular favorite with growers everywhere. **Selected stock.** Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50. **Regular stock.** Pkt. 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

## VAUGHAN'S PAUL ROSE, OR PETOSKEY

This melon has proven itself to be a marketing, money making success for growers; this is another melon introduction of Vaughan's Seed Store, and as such we offer it to professional melon growers as a variety of **basket packing size** that fills every requirement a first class melon should have. Paul Rose is the result of crossing **Osage and Rocky Ford**, an exceptional combination of melon qualities. The rich quality, color of flesh and fine flavor of Osage, with the deep netted skin, shape and size of Rocky Ford. This grand melon combination produces the largest percentage of high class table melons of the **basket packing size** varieties. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage, its fine flavor, rich quality, netted skin and **basket packing size** make it a winner. **Selected Stock.** Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50. **Regular Stock.** Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

**SPECIAL SHIPPING OSAGE.** This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

## MONTREAL MARKET or NUTMEG (Green Fleshed)

The largest of the nutmeg varieties. This melon is extensively raised near Montreal; being sown and grown in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

## VAUGHAN'S MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few

years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

## FORCINC MELONS

Highest Table Quality: Suitable for Greenhouse Growing.  
**EMERALD GEM FORCING.** Salmon flesh, early, uniform. Package, 25c.

**A1 SUPERB.** Scarlet flesh. Crop failed.

**BEST OF ALL.** White flesh.

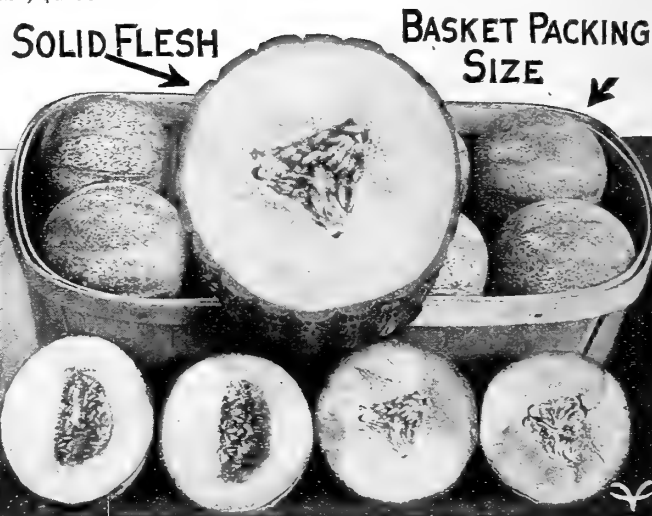
**BLENHEIM ORANGE.** Scarlet flesh.

**DIAMOND JUBILEE.** Green flesh.

**RINGLEADER.** Green flesh.

**ROYAL SOVEREIGN.** White flesh.

Prices of above, except where noted, each, package, 25c.



PAUL ROSE OR PETOSKEY

**TIP TOP. Selected Stock.** A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality, every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, edible to the very rind. A strong grower, heavy yielder and of handsome appearance.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

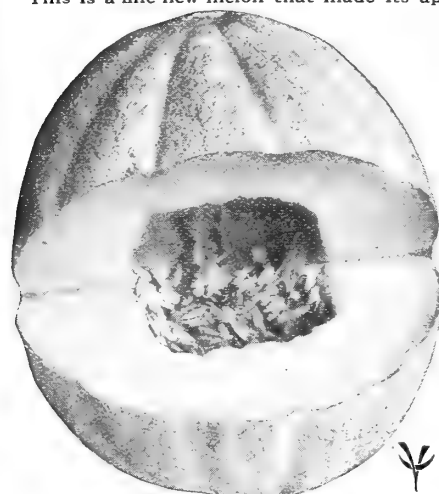
## JENNY LIND, Vaughan's Selected Stock.

A compact packer, with rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality is unsurpassed for eating.

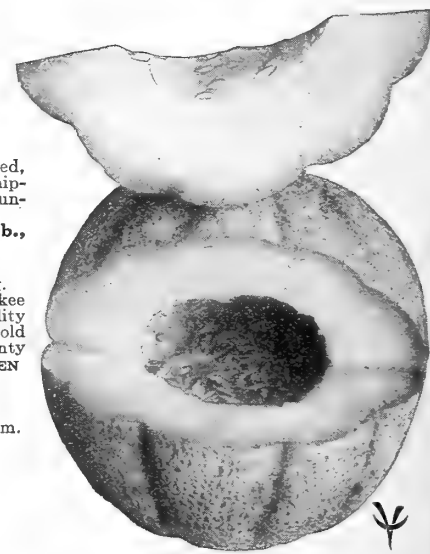
Pkt., 5c; oz., 10; ¼ lb., 30c; lb., \$1.00.

## OVID, MICH.

Vaughan's Milwaukee Market is the highest quality melon we ever grew-sold seeded specimens at twenty cents each. H. C. OVEN



MILWAUKEE MARKET



TIP TOP

# MUSKMELONS

We are the introducers of **Osage, Hoodoo, Paul Rose, and Osage Gem**—melons of quality, shape, and size for home or market use.

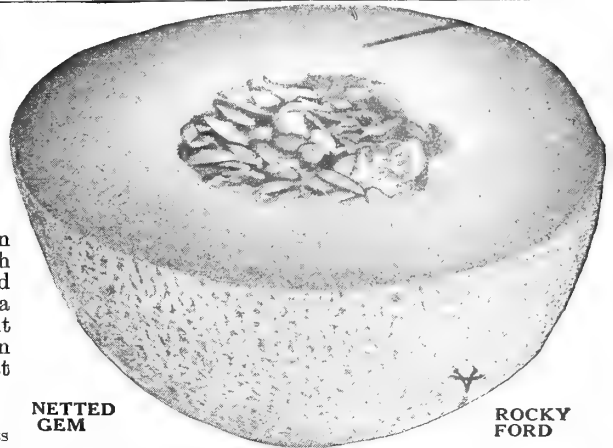
**PLANT  
THE BEST**

## ROCKY FORD NETTED GEM

Of the **green fleshed** muskmelons, Rocky Ford is the recognized standard of excellence; but to **secure the real high class quality** possible to produce in this melon it is necessary to have the very best selected seed, and they must be **well grown**. Our seed is grown for us by an expert melon grower in the Rocky Ford district, Colorado. We offer two grades. **Vaughan's Selected Stock** which is saved from specimens of the **highest class marketable melons**; this selected stock, saved from culled specimens only, is uniform, and produces more melons of the specimen type. The **Regular Stock** is saved from melons grown for seed in the field, but not selected with same care which requires much time and heavy expense; **only the off vines** in the field are **discarded** and the balance saved for our **regular stock**. We illustrate on this page a specimen Rocky Ford melon, grown from **Vaughan's Selected Stock**; it shows a small seed cavity and great depth or thickness of flesh. Our strain is the Gold Lined or Salmon Tint. **Vaughan's Selected Stock** (from best melons). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**Regular Stock.** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**VAUGHAN'S CHICAGO MARKET.** This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



NETTED  
GEM

ROCKY  
FORD

## HOODOO

The Gem  
of Gems

**HOODOO** Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. **Quality**—fine grained, not stringy and of the sweetest flavor. **HOODOO** melons from Michigan points bring highest market prices in competition with the whole United States. **Size and Shape**—is just right, so it may be served cut in halves. **Flesh and Color**—is deep orange, extremely thick. **As a Shipper**—uniform, like "peas in a pod." Netting is ideal, heavy and close, without a superior. **Prolific and uniform**, produces well under unfavorable conditions and withstands blight better than most varieties.

**Originator's Stock.** Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.50.

**Regular Stock.** Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

**Morrill's Re-selected HOODOO (Hearts of Gold).** Selected especially for shipping. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.75.

**CHAMPION MARKET.** The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

**EXTRA EARLY HACKENSACK.** Ten days earlier than old "Hackensack" of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardest, most prolific of netted melons—and has fine flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. **Hackensack—late strain:** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**OVAL NETTED GEM.** Old style Gem which was in favor before the new Rocky Ford types, and now, in the East, often does better than the Rocky Ford grown seed.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**ROUND GEM.** A round selection of the netted Gem.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**MANGO MELON.** Vegetable peach. Golden yellow, orange shaped, flesh snow white, makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Packet has cooking directions.

Pkt., 10c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; lb., \$4.00.

**VAUGHAN'S OSAGE GEM.** A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem." It is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

## EMERALD GEM

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper, it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

**EARLY CITRON, LANDRETH'S.** Very early half flat sort. Flesh green, of fair quality.

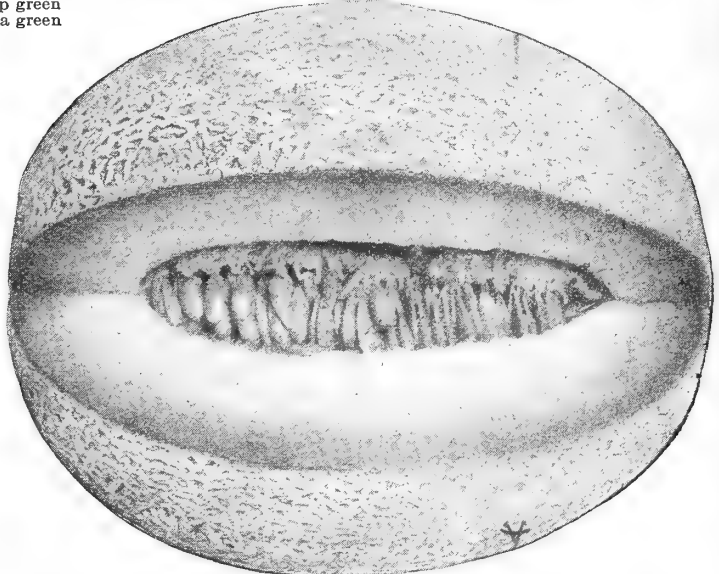
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**BANANA.** Cucumber shape. Delicious odor. Rather late maturing.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**EXTRA EARLY NUTMEG.** Nutmeg shape. Very early; green flesh.

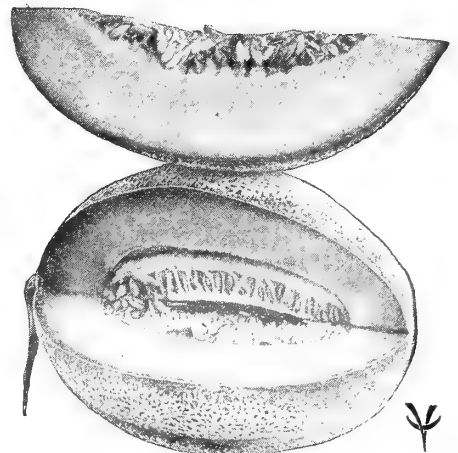
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



**SWEET AIR—(New).** Around Washington, Baltimore and Philadelphia, has become very popular, being a **green fleshed melon of superior flavor** and correct size. It is well suited to that region, and commands the highest market price in preference to other sorts. This melon is 5 to 6 inches across and 7 to 8 inches long. The netting is good, and crated stands long-distance shipping. The flesh is thick, color dark green, blending to light pink near the center. The vines withstand blight better than other gem sorts, and remain green until fruits are fully ripe. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**GARDEN LEMON.** Fruits nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor.

Pkt., 10c; 2 for 15c; oz., 25c.



THE OSAGE GEM MUSKMELON



EXTRA EARLY HACKENSACK



## PLANT THE BEST

We are in close touch with the latest and best methods of **mushroom growing**—Write us for advice.

# VAUGHAN'S LIVE

### VAUGHAN'S LIVE PURE CULTURE SPAWN



The cultivation of a Mushroom-bed is a highly profitable enterprise; the demand for **FIRST QUALITY MUSHROOMS** is great and growing. Hotels and high-class restaurants use enormous quantities; and in the homes of the well-to-do,

### LAMBERT'S PURE CULTURE MUSHROOM SPAWN

The best in America, is made from mushrooms grown under cultivation; being absolutely fresh, it is of quicker and stronger growth than imported spawn. English Spawn must be thoroughly dried before shipment on its long journey from abroad. Our manufacturers in this

**Price—Direct Bricks, inoculated direct from Pure Culture. Brick (weight 1¼ lbs), 30c; 5 bricks, \$1.25; 10 bricks, \$2.00; 25 bricks, \$4.25; 100 bricks, \$15.00. Not prepaid.**

We carry 4 varieties which we consider the most satisfactory. They produce nearly, though not absolutely true to type.

Please order by number.

7. **Brown** (Bohemia) a hardy sort and a good producer of heavy mushrooms.
8. **Cream white**, a mammoth strain.
9. **White** (Alaska) the most popular market variety. Mammoth strain.
11. **Cream** (Columbia) a sort very similar to No. 8 but slightly darker.

Write us for special prices on case lots, also for mushroom grower's supplies. Lambert's Booklet on Raising Mushrooms sent postpaid for 35c, or free with order for \$2.00 worth of mushroom spawn.



### MUSHROOM CULTURE

the use of this dainty, table delicacy has marked such increase in recent years that mushrooms are a regularly ordered article from the green grocer or fancy grocery. In the basement or any water-tight shed or out building, where the temperature

country keep us supplied with regular monthly shipments to meet the extensive business we have developed in this line—the result is our patrons secure the **best, quickest and liveliest** spawn on the market. The varieties we carry are pure **white, cream, cream white and brown**.



**Make Bed in Basement or any Out-Building—Temperature 55° to 65° Fahrenheit**

### COLE'S EARLY

For the home garden, plant Cole's Early, Kleckley Sweets.

## VAUGHAN'S



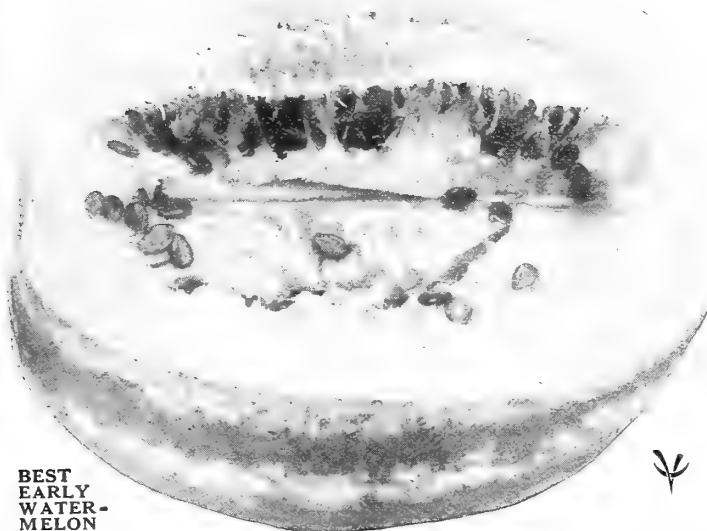
### COLE'S EARLY

Is a home market melon; Vaughan's "Cole's Early" is the Northern States' favorite and has enjoyed the confidence and patronage of important market growers for many years. As an early melon it is the standard of high quality; in sweet, delicious crispness, fetching flavor and melting tenderness, it is the top-notch. **For the home-market it is peerless**, but is not well suited for shipping because of its tenderness. It is oblong shaped, about 20 inches long, 12 inches through; skin rich, mottled green stripes, thin brittle rind, therefore not a good shipper. The flesh is appetizingly rich red, and deliciously sweet. **Vaughan's "Cole's Early"** is the most extensively planted watermelon seed for home-market in the Northern States, where it is the undisputed favorite. The vines are strong, vigorous and very productive.

**Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25; 10 lbs., \$5.50.**

### A GREAT MELON NEW MELON

"Grand Old Tom" a visitor said at the recent market growers' convention held at the Hotel La Salle, Chicago, as he looked on a fine specimen at Vaughan's exhibit—"it's the finest of all the long melons." **There's delicious sweetness in every bite**, for its eating is as splendid as its **shipping quality**. The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand



### BEST EARLY WATER- MELON

### WINTER WATERMELON

This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is early (earlier than "Sweetheart") and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle and deliciously sweet. The skin is very light green, almost white, and its shape is round. Its splendid keeping quality and edibility will prove to be highly satisfactory to people who want a winter variety—plant Vaughan's seed—the best. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., \$1.50.**

### HALBERT HONEY

A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons—quality the highest.

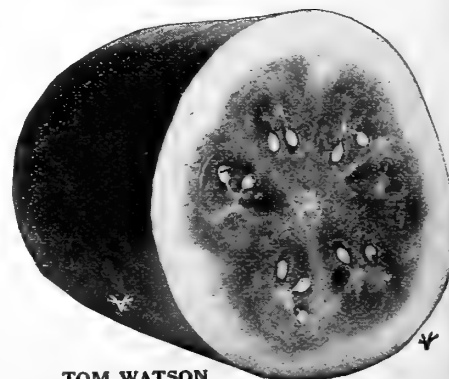
**Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.10.**

### NEW CHILIAN

Has already attained considerable popularity although new, and is sure to advance with wider distribution. It is desirable for the home garden and is a good shipper—a fine sort for southern climates. Very attractive, of medium size, nearly round, skin-deep rich green, faintly mottled and striped, stripes of lighter shade. The flesh is bright vermilion, fine grained, very firm, very sweet and excellent flavor; a good keeper and has white seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

### ALABAMA SWEETS

A Southern favorite, there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregularly striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine, the seed is white. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25.**



**TOM WATSON**

# MUSHROOM SPAWN

**PLANT  
THE BEST**

## YIELDS BIG PROFIT

in cold months can be maintained at 55 to 65 degrees Fahrenheit, mushrooms will grow and flourish, and produce profitable and highly satisfactory results. We supply free of charge a leaflet—"How to Grow Mushrooms," when

### ENGLISH MUSHROOM SPAWN

Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments

requested, with orders for mushroom spawn. We supply the largest commercial growers in the U. S. with spawn. Vaughan's Seed Store is headquarters in the United States for live, highest quality Pure Culture Mushroom Spawn.

annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks.

Prices, (weight per brick, 1½ lbs.), brick, 15c; 2 bricks, 25c; 8 bricks, \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.00; if shipped from New York, per 100 lbs., \$6.00. Special prices on ½ ton lots and upward.

VAUGHAN'S PURE CULTURE SPAWN



## OKRA—OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package

**WHITE VELVET**—Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or squared-holed.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**DWARF**—Grows low but stocky and is very productive.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**TALL OR PERKINS' MAMMOTH**—The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**DWARF,  
TALL OR  
PERKINS'  
MAMMOTH**



## MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown.

For culture see Vaughan's Vegetable Garden.

Pkt., 10c; ½ oz., 20c; oz., 35c.

## MUSTARD

The leaves make a salad or may be boiled like Spinach.

**CHINESE OR GIANT SOUTHERN**

**CURLED**—The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. plants will continue to yield until frosty weather. Leaves are eaten boiled like Spinach.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**IMPROVED OSTRICH PLUME**—The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**WHITE**—Best for genera use.

Oz., 5c; ¼ lb., 15c; lb., 40c.

**BROWN**—Stronger than above. Price, same as white.



With Spinach extremely short—there will be a great scarcity of greens on the market—substitutes, some even better than Spinach, like Mustard, Swiss Chard and Kale will be in demand.

# WATERMELONS

For local market, plant Kleckley Sweets; for shipping, Tom Watson.

## KLECKLEY SWEETS SWEETEST OF ALL

This is a grand, old established variety of Vaughan's Special Watermelons. In the culture of this variety, the greatest care is always taken by us to retain the excellent qualities for which this melon has become famous, and properly stands as the type of every excellence for eating that a watermelon should have. It has no superior in any respect but for shipping. As a shipper it is poor, because the rind is thin and brittle. Vaughan's Kleckley Sweets—identical with "Monte Cristo"—is a fine watermelon about 20 inches long, 10-12 inches through; has rich, dark green skin, and flesh bright scarlet, the ideal of watermelon quality; is without cotton or stringiness and is absolutely delicious to eat, to the last bite. In the North it matures a few days later than "Cole's Early." Our seed has been grown with this object in view, and our efforts have been crowned with success. For home and local market gardens, Vaughan's Kleckley Sweets is a variety to count on.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.00.

**BLACK DIAMOND**. Runs very large, and prolific, medium early. Dark green, round or blunt oval shape, fine shipper.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**SWEETHEART**—Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### STANDARD VARIETIES

Any of the following—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; postpaid.

**COLORADO CITRON; RED SEEDED CITRON**—For preserves.

**CUBAN QUEEN**—Late, large, good.

**DUKE JONES**—Round, large shipper.

**EARLY FORDHOOK**—Earliest shipping melon.

**FLORIDA FAVORITE**—Long, striped.

**GREY MONARCH**—Oblong, very light green.

**ICEBERG**—Similar to Kolb's Gem.

**ICE CREAM OR PEERLESS**—Early, fine quality home melon.

**ICING, DARK**—A very solid dark colored shipping sort.

**JONES' JUMBO**—An old favorite; large.

**KOLB'S GEM, IMPROVED**—A standard market shipping melon.

**McIVER'S WONDERFUL SWEET**—Very sweet long melon.

**MOUNTAIN SWEET**—Oblong; thin rind.

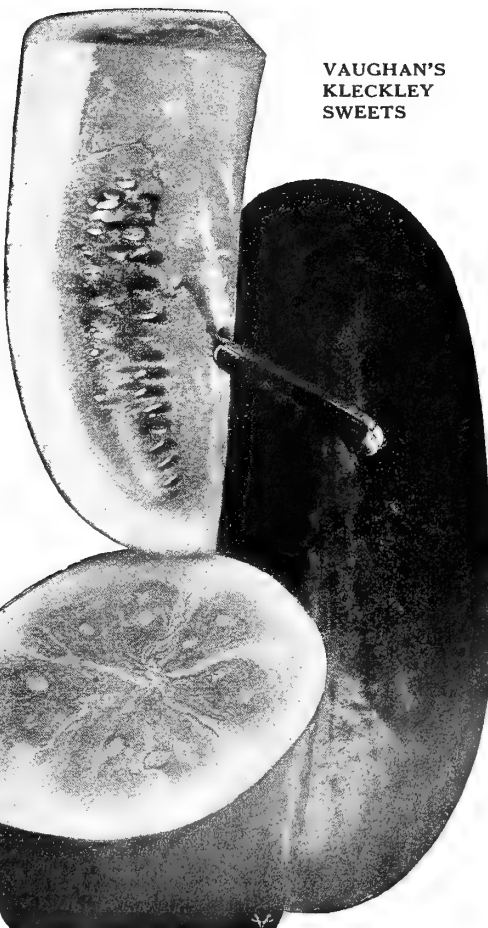
**PHINNEY'S IMPROVED**—An early medium sized oblong melon.

**RATTLESNAKE OR GYPSY STRIPED**—Oblong, striped and mottled; very sweet; popular South.

**THE DIXIE**—Old standard second early; good shipping variety.

**TRIUMPH**—Very dark; large shipper.

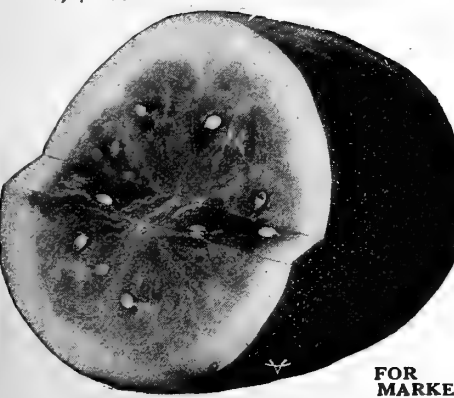
VAUGHAN'S  
KLECKLEY  
SWEETS



SWEET AS HONEY

## TOM WATSON GRAND SHIPPER

from the round to the long melons. It is 24 inches long, 12 inches through, dark mottled green rind, thin but strong—good for shipping—flesh can be eaten almost to the skin. A great money maker in all markets. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.00.



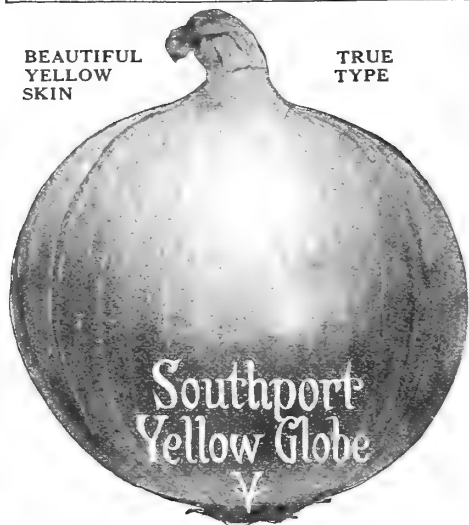
FOR  
MARKET

**PLANT  
THE BEST**

# VAUGHAN'S ONIONS

**BEAUTIFUL  
YELLOW  
SKIN**

**TRUE  
TYPE**



**VAUGHAN'S SPECIAL YELLOW  
GLOBE**



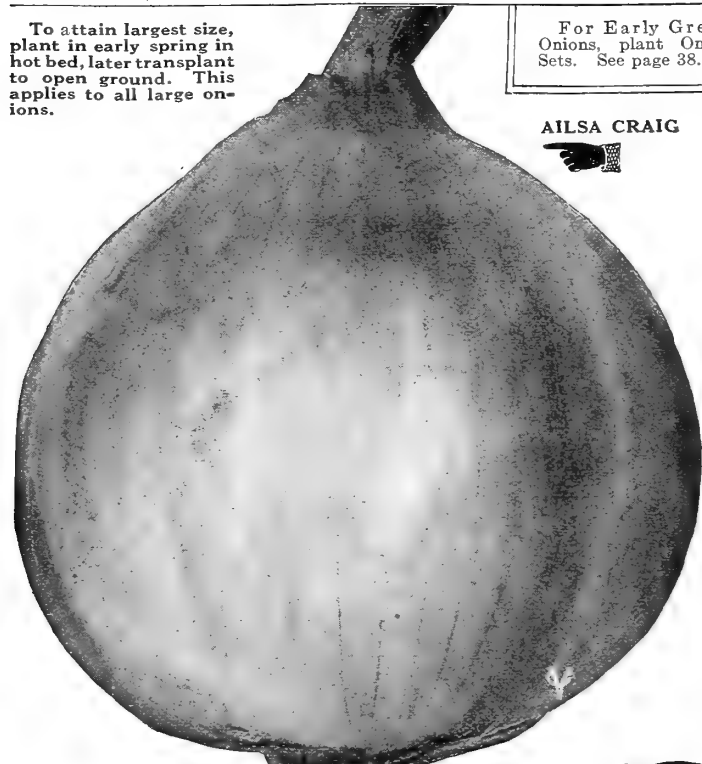
An early Yellow Globe introduced by us into the Chicago section last year. Slightly smaller than Southport. It produces a fine market onion. In some places early aphid did no damage to this onion last year but ruined the later crop. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00; 10 lbs., \$17.50.



**APPLE-SHAPED RED GLOBE**

Eastern Grown Seed. Rounder than the Southport Red Globe. Very small neck; sound and solid. Color intense Dark Red. Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.00; 5 lbs., \$9.25; 10 lbs., \$17.50.

To attain largest size, plant in early spring in hot bed, later transplant to open ground. This applies to all large onions.



**LARGE RED WETHERSFIELD**

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of flesh, purplish mixed with white. Moderately fine grain and mild flavor. In poor soil it does best, grows a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40; 5 lbs., \$6.50; 10 lbs., \$12.50.

Onion growers have certainly no cause for complaint about the prices they were and are able to obtain for their product this season. The Jan. 1st market was about as high as we have ever seen it at that season of the year and prospects for a further advance.

After the extreme shortage and high prices of seed last year, we are more than pleased to say that we have this season a normal supply of all our best market Winter Onion Seed at normal prices. The onion seed crop of Europe, where we look for our supply of the pickling varieties like White Queen.

White Barletta and the larger soft mild onions like Mammoth Silver King and the Roccas is a practical failure.

Most of our customers are mainly interested in the growing of the Globe or market onions which they sell in the fall or store for winter use or sales. To this type of onion we have given particular attention and we can truthfully say that our different types are as good as can be grown. A brief summary of the yellow types we list and the methods of growing should be of interest to all growers of onions. Our leader in yellow onions is the Southport Yellow Globe (Eastern Grown Seed). Our ideal

**SOUTHPORT YELLOW GLOBE**



The Vaughan strain of this onion is, we believe, the most uniform on the market today. It is ball shaped and not so elongated as to make any undersized specimens seem like picklers. (See illustration.) Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping market onion. Color golden yellow. The amateur buyer of a packet or the planter for carload shipments are equally enthusiastic over this strain. Our Chicago market gardeners, supplying the most critical trade in the United States, plant this strain almost exclusively.

Eastern Grown Seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00; 5 lbs., \$9.25; 10 lbs., \$17.50.

Western Grown Seed. Raised from Eastern Grown Bulbs. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75; 5 lbs., \$8.00; 10 lbs., \$15.00.



**OHIO RED GLOBE**

Is an onion with fine uniform Red Color. Shape resembles Ohio Yellow Globe. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00; 5 lbs., \$9.25; 10 lbs., \$17.50.

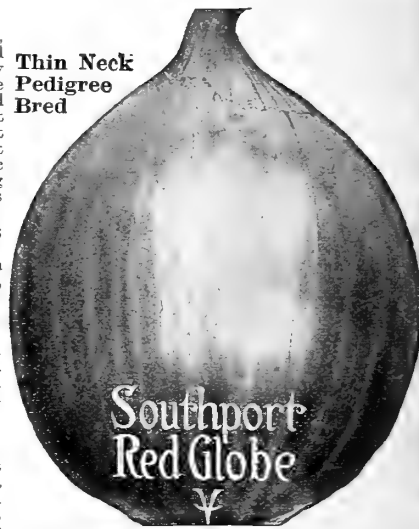


**SOUTHPORT RED GLOBE**

In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. Western grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

Eastern Grown Seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00; 5 lbs., \$9.25; 10 lbs., \$17.50.

**Thin Neck  
Pedigree  
Bred**



Western Grown Seed. Raised from Eastern Bulbs. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50; 5 lbs., \$6.75; 10 lbs., \$12.50.

For Early Green Onions, plant Onion Sets. See page 38.

## LARGE POPULAR

**AILSA CRAIG**

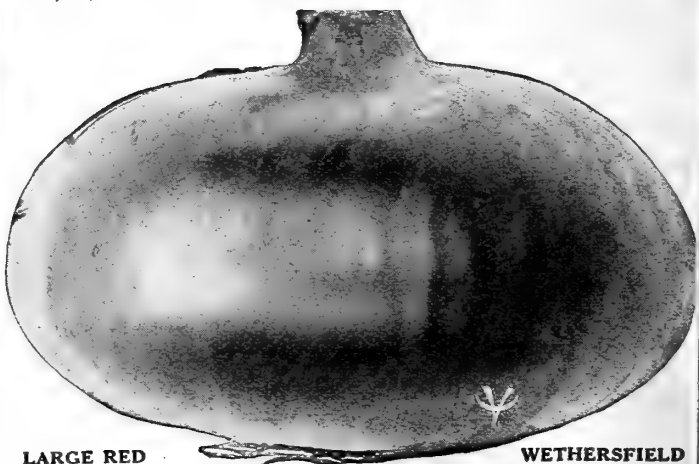


**AILSA CRAIG—Vaughan's Selected Stock**

A winning sort, gaining in popularity every season, because it makes money for the growers who plant it. This onion has individual merit by which it secures and retains recognition, and success for growers. It has handsome appearance, being large, 12 have been known to weigh 30 pounds; it has fine straw-colored skin; these make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globe and forms a fine thin neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper, for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Plant Vaughan's Ailsa Craig and make money. Pkt., 15c; ¼ oz., 35c; oz., 60c; ¼ lb., \$2.00; lb., \$7.50.

**PRIZETAKER—American Grown**

Amongst large onions this one is exceptional for size and beauty; it is of the same type as large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size in the right conditions; it requires a long season and should be started early in hot bed. When properly ripened it's a good keeper. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75; 5 lbs., \$8.00; 10 lbs., \$15.00.



**LARGE RED**

**WETHERSFIELD**



# PEDIGREED SEED

No seed of unsatisfactory germination is sold by us. We test each lot and each bag.

**PLANT  
THE BEST**

type is almost globe or ball shaped; not elongated, (see illustration). The strain we use has been selected by the same growers for 20 years and is, in our opinion, the "best fixed" Globe Onion on the market. We prefer Eastern Seed because in our experience, it will, on the average, yield better, produce better keeping onions and hold its type without mixture better than California seed. Our Eastern grown seed bulbs are sorted by ourselves and grown exclusively for us under our direct control. We offer this year this same type of Southport Yellow Globe grown from our own sorted Eastern grown bulbs in California at a slightly lower price

than the Eastern seed. Our Ohio Yellow Globe Onion is grown in Lake County, Ohio. This is a flat bottomed, high necked type, specially suited for muck soils. Our Fancy Yellow Danvers is a slightly flatter onion than the Ohio (California grown.) Globe Danvers still flatter and Yellow Danvers and Strasburg really flat; the last two California grown. In handling our Eastern seed, different colors are sown  $\frac{1}{2}$  mile apart, and stored in different houses after harvest. Special cleaning and milling machinery is employed. Every bag of each lot is tested and we are always glad to advise our customers what our germination tests are.

**CRYSTAL-  
LIKE  
SKIN**

**GLOBE OR  
FINEST  
QUALITY**

## IDEAL WHITE GLOBE

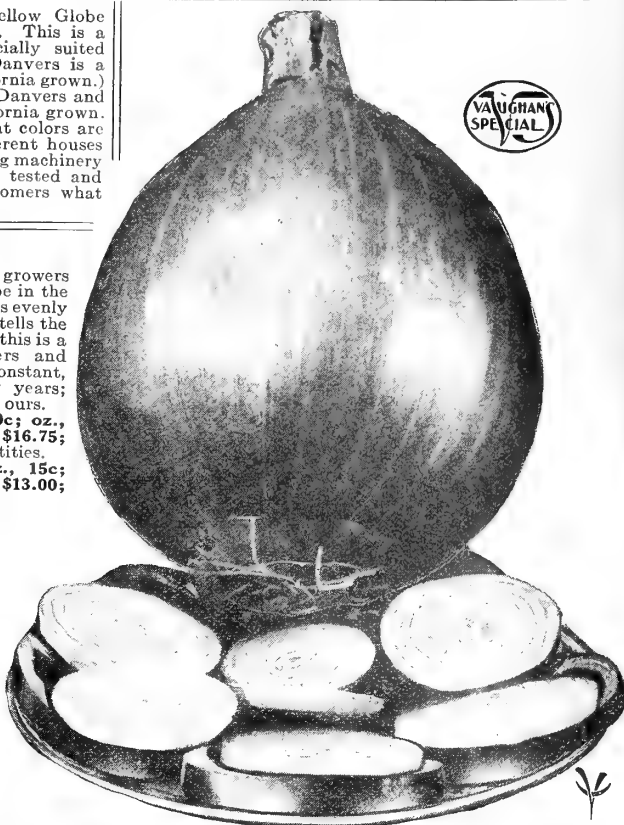
A strikingly handsome onion; expert market growers recommend this beautiful crystal-like white globe in the highest terms. This is a very early type, it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white; this is a Vaughan high merit onion. Market gardeners and extensive commercial growers have been our constant, satisfied customers, for this onion, for many years; success is the evidence of their satisfaction and ours.

**Eastern grown seed:** Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 2 ozs., 55c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50; 5 lbs., \$16.75; 10 lbs., \$32.50. Write for prices in larger quantities.

**Western grown seed:** Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75; 5 lbs., \$13.00; 10 lbs., \$25.00.

## OHIO YELLOW GLOBE

Another onion of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, its uniform growth, heavy yielding and superb keeping quality have made it a distinguished favorite with all growers, and its handsomeness and fine flesh have made it so with consumers. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25; 5 lbs., \$10.50; 10 lbs., \$20.00.



**AUSTRALIAN BROWN GLOBE.** Large light brown skinned; and an average bulb 3 in. in diam.; weighs about 7 oz. Perfect globe-shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. A bushel weighs many lbs. more than the American varieties. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75; 5 lbs., \$8.25; 10 lbs., \$16.00.

# VARIETIES

Large planters, write for special prices.

**FANCY  
YELLOW  
GLOBE  
DANVERS**

Buy Early—Plant Early. Use Vaughan's Nitrate of Soda Fertilizer for Onions; it gives young plants needed food.

## FANCY YELLOW GLOBE DANVERS

This onion is a standard amongst the large types, it is early, almost true globe shape, beautiful yellow skin, pure white flesh, of very fine quality. It has good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Buy Vaughan's strain and you get the best—it is grown with greatest, critical care.

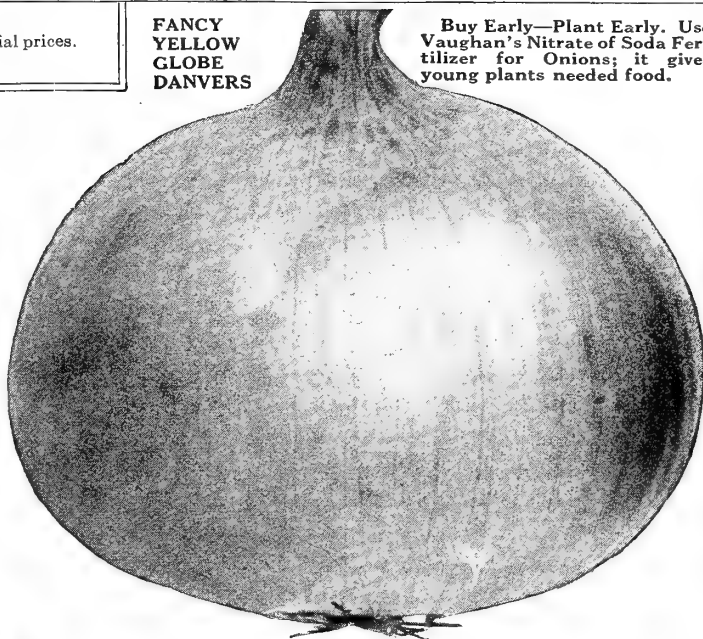
Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75; 5 lbs., \$8.00; 10 lbs., \$15.00.

## YELLOW FLAT DANVERS

**YELLOW FLAT DANVERS** is a standard onion with many splendid qualities and is a valuable general crop sort. It is a medium size bulb, quite thick through but flattened, has coppery yellow skin, thick neck, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality, and in every respect is first-class where a strictly globe shaped onion is not demanded.

Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40; 5 lbs., \$6.50; 10 lbs., \$12.50.

For home or market gardens it is equally popular and standard.



**YELLOW GLOBE DANVERS.** Same as above except these do not run as globe shaped, but color, ripening and keeping are identical. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50; 5 lbs., \$6.75; 10 lbs., \$12.50.

**MAMMOTH SILVER KING.** Averages 15 to 22 inches in circumference and weighs 2 $\frac{1}{2}$  to 4 lbs. It matures early and is uniformly large and of good shape flat, but thick. Skin is clear silvery white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. Pkt. 10c;  $\frac{1}{2}$  oz., 20c; oz., 30c;  $\frac{1}{4}$  lb., 85c.

**CRYSTAL WHITE WAX.** This is a pure white flat onion, very popular in the south, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed.  $\frac{1}{2}$  oz., 20c; oz., 65c;  $\frac{1}{4}$  lb., \$2.50.

**WHITE and RED BERMUDA.** In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. White,  $\frac{1}{2}$  oz., 20c; oz., 65c;  $\frac{1}{4}$  lb., \$2.50. Red—sold out.



**YELLOW FLAT**

**DANVERS**

**PLANT  
THE BEST**

# VAUGHAN'S ONIONS

WHITE  
PORTUGAL



## WHITE PORTUGAL OR SILVERSKIN

This beautiful white onion is a splendid sort for growing **white onion sets**, pickles and for **early bunching green onions**; for any one or all of these purposes, this excellent onion has the highest merit, and is extensively planted by growers who produce the varieties named as a **large white onion** for fall and **early winter** use, Vaughan's **White Portugal** or **Silverskin** is the growers favorite, because it has all the **best qualities** of the **white onion varieties**. Its beautiful, silver white skin glistens; it is a medium size bulb, flat shape as shown in the illustration, it has fine mild flavor and is **best** of the white onions for keeping. **Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25; postpaid. By express—5 lbs., \$10.50; 10 lbs., \$20.00.**

**ONION SET PRICES** are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

**WHITE BOTTOMS.** Our sets of these are very choice, small, dry and unspouted. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 75c; pk., \$1.35; bu. (32 lbs.), \$4.50.**

**YELLOW BOTTOMS.** Fine dry sets, medium in size and unspouted. Fine for raising early big onions. **Pt. (about 12 ozs.), 15c; qt. (about 24 ozs.), 25c; ½ pk., 60c; pk., \$1.00; bu. (32 lbs.), \$3.75.**

**RED BOTTOMS.** Bright, deep red in color, even and dry. Much used for raising early big onions. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 75c; pk., \$1.25; bu. (32 lbs.), \$4.00.**

**SPECIAL OFFER.** 1 pt., each 3 colors, 50c; 1 qrt., each 3 colors, 75c.

**EGYPTIAN OR RED PERENNIAL.** This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce Green Onions** for Spring or Fall use which are perfectly hardy and stay in the ground all the time. **Pt. (about 10 ozs.), 12c; qt. (about 20 ozs.), 20c; ½ pk., 35c; pk., 60c; bu. (32 lbs.), \$2.00.**

## BROWN AUSTRALIAN (Flat)

A very desirable onion is Brown Australian, it is a medium sized bulb, with amber brown skin in varying shades; solid white flesh, appetizingly crisp, sweet, fine mild flavor. It is **early, sure bottoming, a heavy yielder, and a long keeper**; in warm climates where large onions do not keep well, Vaughan's Brown Australian is a great favorite. **Plant the best, get results. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40, postpaid. By express—5 lbs., \$6.50; 10 lbs., \$12.50.**

## STRASBURG OR LARGE YELLOW DUTCH

Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40, postpaid. By express—5 lbs., \$6.50; 10 lbs., \$12.50.**

## EARLY WHITE WELSH ONION

The best kind for green onions, forms no bulb. Plants can be propagated from seed or divisions, a great saving in cost over top sets. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**



EARLY WHITE  
WELSH

## EXTRA EARLY FLAT RED

One of the **handsomest red onions**, and first to ripen; grown from Vaughan's carefully cultured seed, will ripen two weeks earlier than other strains of this variety. Our experienced Eastern Grower has specialized on earliness and uniform ripening. Flat, good red color, medium size. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40, postpaid. By express—5 lbs., \$6.50; 10 lbs., \$12.50.**

**EARLY YELLOW CRACKER.** The earliest of the yellow flat varieties; where seasons are short, or to meet the demands of an early market, this is a very desirable sort. It is of excellent flavor, and good keeping quality. Very desirable for sets. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50, postpaid. By express—5 lbs., \$6.75; 10 lbs., \$12.50.**

## SPECIAL OHIO GROWN FLAT YELLOW.

A very hard long-keeping onion, especially bred for set growers. Some of our set growers grow this for sets to sell late in the spring. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40, prepaid. By express—5 lbs., \$6.50; 10 lbs., \$12.50.**

## ITALIAN ONION SEED

**VAUGHAN'S PICKLING.** One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin—not a good keeper. Excellent for **green onions**, pickles or for immediate use when grown for large onions. Flavor, very sweet and mild. Crop failure.

**WHITE QUEEN.** Remarkable for earliness and very mild flavor, it is small and white skinned. General favorite with pickle manufacturers. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c. Very short.**

**WHITE BARLETTA.** Beautiful waxy-white color, much admired by housewives. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c. Very short.**

**GIANT ROCCA.** A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, **BROWN** and **YELLOW.** **Pkt., 10c; ½ oz., 25c; oz., 40c. Very short.**

**YELLOW MULTIPLIER.** Crop failure.

# ONION SETS

## WHY ONION SETS ARE PLANTED

Onion Sets produce bulbs in one-half the time that is required by raising from seed, the planter is enabled thereby to get the **highest market price** for his **early onions**, and raise a second crop in the same year.

## VAUGHAN'S HAZEL SIZE BOTTOM ONION SETS

Extra selected sets measure about ⅝ inch in diameter and are uniform as it is possible to grade them. Price for White, Red or Yellow, **25c a pint; 40c a quart.** Larger quantities at quart price. If sent by mail, add postage for 12 ozs. per pint, 24 ozs. per quart.

## VAUGHAN'S CHICAGO ONION SETS

The handling of onion sets is one of the most important branches of our business. We ship out annually a great many carloads from our special onion set warehouse which has a capacity of 50,000 bushels.

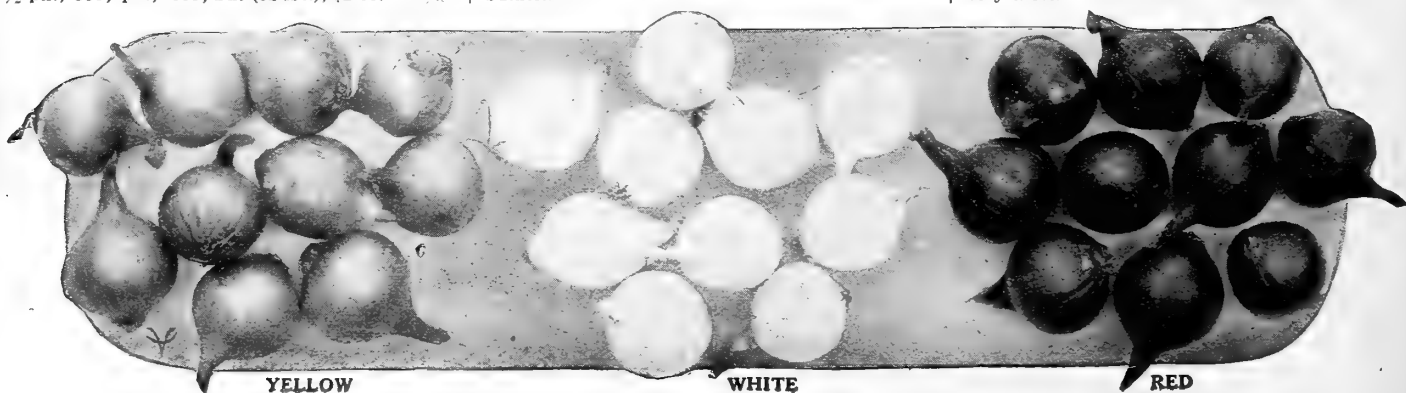
## WHITE MULTIPLIERS

For **First Early Spring Bunching Onions**. They are **pure silvery-white**, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. The extreme earliness of this sort is most important; they are ready for table earlier than any other sort. **Pint (about 12 ozs.), 20c; quart (about 24 ozs.), 35c; ½ pk., 75c; pk., \$1.35; bu. (32 lbs.), \$4.50.**

**Shallots or Yellow Multipliers.** Flavor much superior to ordinary onions. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 55c; pk., 90c; bu. (32 lbs.), \$3.50.**

**Red Spring Top Sets.** These are planted to produce both early "Green Onions" and large eating onions. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 75c; pk., \$1.25; bu. (28 lbs.), \$4.00.**

**Yellow Potato.** They produce large, dry ripe onions, earlier than any other kind. **Pint (about 12 ozs.), 20c; quart (about 24 ozs.), 30c; ½ pk., 75c; pk., \$1.25; bu. (32 lbs.), \$4.00.** Crop very short.



YELLOW

WHITE

RED

# PEERLESS PEPPERS

**PLANT  
THE BEST**

## VAUGHAN'S MAGNUM DULCE

This grand pepper has appropriately been styled the "Salad King," as the leading top-notch variety of sweet peppers. But it is not in salad form alone that this sweet pepper excels, for there are other forms in which to prepare it as a tempting and delicious dish. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat; ground steak with onions and other seasoning, makes a most delicious meal. Sliced and fried as egg plant, it is an exquisite dish, or it may be eaten raw, it is so mild-flavored. Vaughan's Magnum Dulce sweet pepper can be grown to immense size, 7 inches long and 4 inches through; but when grown so large the yield is small, to get a larger yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Magnum Dulce is carefully grown and selected every year. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.50.

MAGNUM DULCE

THE  
SALAD  
KING

## NEW SWEET UPRIGHT SALAD

Is an early, prolific, good sized, sweet, mild, pepper; so mild indeed that the seeds may be eaten raw. In the northern states it is a most desirable sort; in habit the bushes are of medium height, and bear the pepper upright, not drooping; gathering the fruits is much easier, because of the upright growth. The size being medium they are just right for stuffing and frying, the bright glossy green color, which turns to a waxy red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

## Early Pepper, CRIMSON GIANT

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large number of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe, flesh thick, sweet, and very mild. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$5.00.

## NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

	Pkt.	½ oz.	oz.	¼ lb.	lb.
BULL NOSE. Sweet Mountain; improved type.	.05	\$0.20	\$0.35	\$1.00	\$3.50
CAYENNE. Long red; very hot.	.05	.15	.30	.80	3.00
CAYENNE PICKLING. Dwarf; habit upright	.05	.15	.30	.80	3.00
CELESTIAL. Ornamental.	.05	.15	.30	.80	3.00

Plant 1 oz. to 25 hills, 4 pounds to the acre (alone), or 2 pounds (with corn).

# VAUGHAN'S PUMPKINS

In a small garden plant near low fence, allowing vines to climb over.

## VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, sweet, sugary, delicious flavor. They all call for "more"; the seed cavity is small.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**MAMMOTH PRIZE.** A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., \$1.50.

**CALHOUN.** Medium in size, solid and of excellent quality. Skin of cream color; flesh, salmon yellow. A fine pie variety.

Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

**WINTER QUEEN OR WINTER LUXURY.** Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russety as a potato.

Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; lb., \$1.00.

**SMALL SUGAR.** Flat sort, good for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



VAUGHAN'S SUGAR PIE PUMPKIN  
VAUGHAN'S MAMMOTH OR LARGE SWEET, (Crop Failure)

## NEW SWEET PEPPER NEAPOLITAN SALAD

This new pepper is a cross between "Neapolitan" and "Sweet Upright Salad", and grows as large as Neapolitan, which was formerly the first pepper of marketable size. This new sort ripens earlier, the color is light green, changing to bright red when ripe. Neapolitan Salad is very prolific, the plants being loaded with fruits, which, when ripening, present the appearance of a mass of beautiful green and gold. Pkt., 10c; ¼ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

## PIMENTO

Flesh extremely thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

## CHINESE GIANT

This variety is larger than "Ruby King," but not so large as "Magnum Dulce". A standard large sweet pepper is "Chinese Giant," and very prolific for so large a pepper, the productiveness may be increased by pinching off the first or "King blossoms." The fruits grow 4 to 5 inches broad on top and are of equal length, and quite uniform in size, the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.50.

## VAUGHAN'S SWEET MOUNTAIN

The fruits when young are bright, deep green, without shade of purple; when ripe they are a handsome red. The habit of growth is strong, and very productive; the flesh, though sharper than "Upright Sweet Salad" is very mild and thick. The peppers often grow 6 inches long and 4 inches through. Our seed has been very carefully selected. Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**RUBY KING.** One of the most popular varieties; growing 4½ to 6 in. long, 3½ to 4 in. thick. The peppers are a bright ruby red and are one of the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender. Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

	Pkt.	½ oz.	oz.	¼ lb.	lb.
FANCY WRINKLED. Pungent and ornamental.	\$0.10	...	\$0.35	...	...
CHERRY. Prolific; fruit small and round; good for pickling.	.05	\$0.15	.30	\$0.80	\$3.00
ELEPHANT'S TRUNK. Long, mild; bright scarlet color.	.05	.15	.30	.80	3.00
MAMMOTH GOLDEN QUEEN. Large yellow.	.05	.25	.40	1.25	4.00
GOLDEN DAWN. Mild yellow.	.05	.15	.30	.80	3.00
RED CHILI. Good hot pickling.	.05	.15	.30	.80	3.00
RED CLUSTER. Small and pungent.	.05	.15	.30	.80	3.00
SWEET SPANISH MONSTROUS. Large fruit	.05	.15	.30	.80	3.00
TABASCO. Hottest of all	.10	.20	.35	...	...

## LARGE CHEESE

Of large size, shape flat like a cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LARGE FIELD OR "BIG TOM."** The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 10 lb., \$4.50.

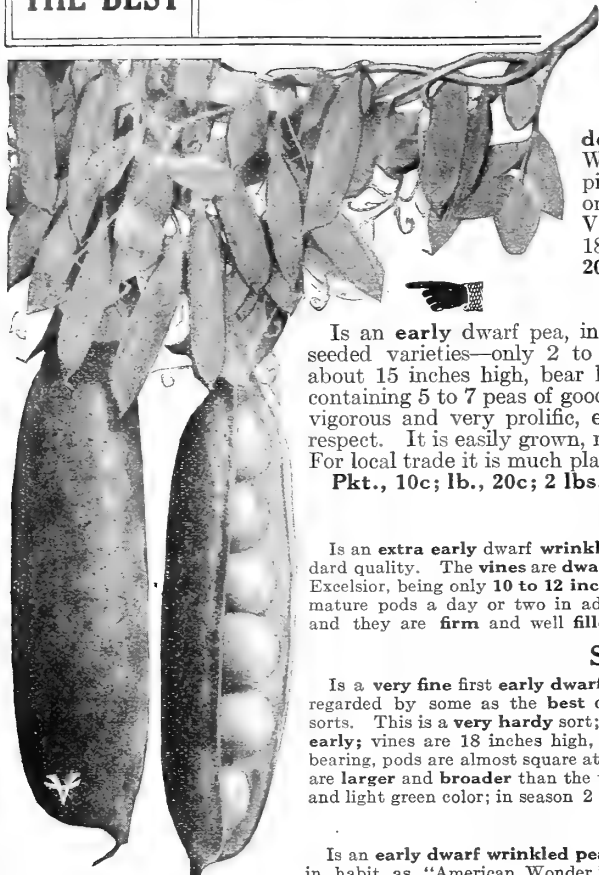
	Pkt.	oz.	2 oz.	¼ lb.	lb.
JAPANESE PIE. Finest quality, good keeper.	.05	.10	.20	.30	1.00
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor.	.05	.10	.20	.30	1.00
SWEET POTATO. Bell shaped. White flesh. Used for pies	.05	.10	....	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH. Very large size	.05	.15	....	.40	1.25
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.05	.10	....	.30	1.00
CUSHAW, WHITE OR STRIPED. Popular southern sort, fine flavor	.05	.15	....	.40	1.25



## PLANT THE BEST

We are now pricing Peas by the pound, instead of dry measure. 1 lb. is a little more than 1 pint. 2 lbs., are a little more than 1 quart.

# VAUGHAN'S



NOTT'S EXCELSIOR

Is an **early dwarf** pea, in great popular favor. It is almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, bear heavy masses of blunt pods, about 3 inches long, each containing 5 to 7 peas of good size that are tender and delicious to eat. The vines are vigorous and very prolific, excelling "American Wonder" and "Little Gem," in this respect. It is easily grown, requires no support and is desirable for the **home garden**. For local trade it is much planted by market gardeners.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.

### NOTT'S EXCELSIOR

Is an **extra early dwarf wrinkled** pea, of standard quality. The vines are **dwarfer** than Nott's Excelsior, being only 10 to 12 inches high, which mature pods a day or two in advance of Nott's, and they are **firm** and well filled with peas of

Is a **very fine first early dwarf wrinkled** pea, regarded by some as the **best** of the wrinkled sorts. This is a **very hardy** sort; can be planted **early**; vines are 18 inches high, **very prolific** in bearing, pods are almost square at lower end; they are **larger and broader** than the usual dwarf pea, and light green color; in season 2 days later than

Is an **early dwarf wrinkled** pea, not so upright in habit as "American Wonder," but the vines which grow 16 to 18 inches high require no support, and yield great quantities of pods, which are

### LITTLE MARVEL

### EARLY AND MAIN

The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts which last only a few days when they become hard, and lose their sweetness. Very productive, hardy, and quality luscious and sugary. Vines 18 inches, pod 3 1/4 inches; dark green, well filled. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.

### NOTT'S EXCELSIOR

### AMERICAN WONDER

splendid quality. The vines require no support during growth; plant every week for succession. American Wonder is a standard home garden variety of prolific growth. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.

### SUTTON'S EXCELSIOR

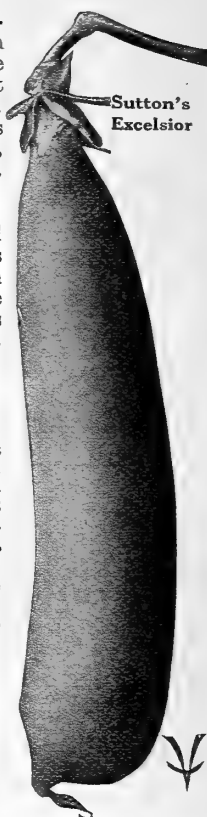
Nott's. The excellent quality of the peas, size of pods, heavy yielding and hardness have secured for "Sutton's Excelsior" many friends amongst market growers, who prefer it to the tall tender varieties.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85; 100 lbs., \$16.00; bu., \$9.00.

### PREMIUM GEM

3 inches long and contain peas of fine quality and flavor and give satisfaction.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

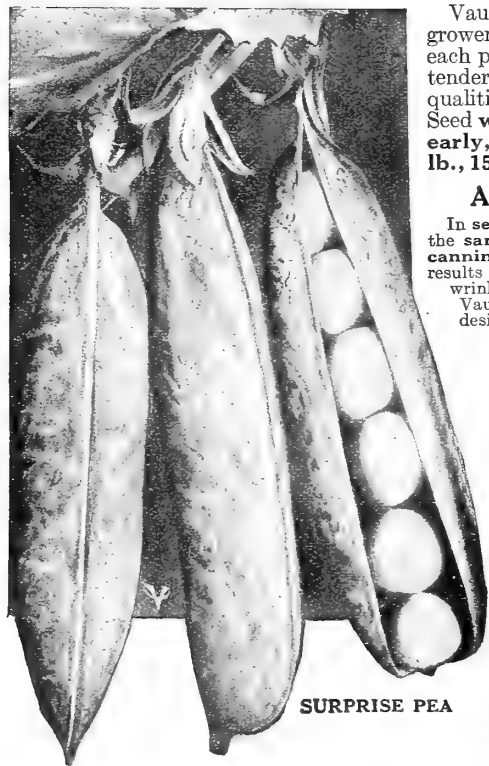


A grand new Extra Early Pea—Market Surprise—See front novelty pages.

### NORTHERN GROWN

## EXTRA EARLY

### SURPRISE—Pea of Quality



SURPRISE PEA

### MAUD S—(White Seeded, Extra Early)

Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods 2 1/2 to 3 inches long, each pod having 5 to 7 peas. The delicious sweetness, rich flavor, tender quality and smoothness of **Vaughan's Maud S** are the qualities for which our strain is known, by growers and consumers. Seed **white, round and smooth**; crop ripens evenly and **extra early**, means **first in market** with crop all harvested. Pkt., 10c; lb., 15c; 2 lbs., 30c; 10 lbs., \$1.25; 100 lbs., \$10.00; bu., \$6.00.

### ALASKA—Called EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S" are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true to type, always reliable and gives best results to growers. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible. Plant Vaughan's strain of **Alaska**; you will plant the **best** and **get the results** you desire. Pkt., 10c; lb., 25c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$13.00; bu., \$7.80.

### EARLY AMEER

Old variety, lately become very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### FIRST AND BEST

A strain of the White Seeded Extra Early—not quite as early as Maud S, but a trifle larger and heavier yielding. Pkt., 10c; lb., 15c; 2 lbs., 30c; 10 lbs., \$1.25; 100 lbs., \$10.00; bu., \$6.00.

### SURPRISE—The Earliest Pea of Quality

The earliest of all sweet wrinkled peas. In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size, produced in medium prolific quantity, and are filled with peas of choice quality, much like Nott's Excelsior in flavor and sweetness. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.



ALASKA or  
EARLIEST OF ALL

# DWARF PEAS

Vaughan's Top O' The Morn and other new Giant Podded Dwarfs described on front Novelty pages.

**PLANT THE BEST**

## CROP VARIETIES—BRUSH NOT NEEDED

### VAUGHAN'S DWARF DEFIANCE

Pea growers cannot afford to overlook this splendid main crop success; it is a money-maker without a superior, a **grand second early**, no better on the market. The vines are vigorous and require no brushing, the pods are dark green color and immense in size and fullness, like "Telephone," they have no superiors in quality, and will bear comparison with any tall sorts; the handsome pods are filled with peas that are sweet and rich flavored.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### HEROINE

Is a sturdy growing sort, a **main crop dwarf** that is extremely prolific; vines 30 inches high with luxuriant foliage, the illustration tells the story of a long, pointed, slightly curved pod, filled with sweet, luscious, rich flavored peas.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**McLEAN'S ADVANCER.** Is a favorite with market growers and canners who consider it the **best producer** of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### DWARF TELEPHONE OR DAISY.

A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.

**IMPROVED STRATAGEM.** Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with wrinkled peas of immense size, and delicious sweetness and flavor.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### HORSFORD'S MARKET GARDEN.

Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods mature uniformly and are filled with peas of fine quality.

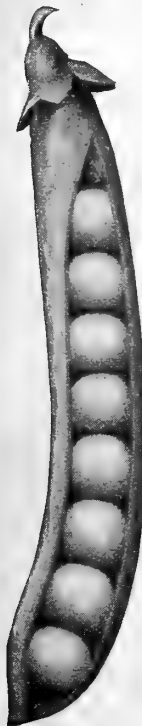
Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**JUNO.** Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality, quite similar to "Dwarf Champion" listed in other catalogs.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### VAUGHAN'S SWEET MARKET.

An excellent main crop Pea. Its season follows right after the Extra Earlys and continues to bear much longer than most varieties. Very prolific and of fine quality. Height 2½ feet, strong vigorous vines, many bearing as high as 50 pods. Pods 3½ inches long, filled with 7 to 9 peas. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.



HEROINE



DWARF DEFIANCE

## TALL SORTS

DO BEST WHEN BRUSHED

### GRADUS

To eat Gradus Peas is to enjoy all the luscious sweetness and rich flavor, combined with melting tenderness of the finest butter you can imagine. Gradus is the **greatest of the wrinkled pea varieties**, it is large and handsome as well as delicious. A table luxury and delight which retains its attractiveness, beautiful color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden, it blooms forth and matures within two or three days after the small round extra early sorts. Vines 30 inches high, pods 4 inches long or more, beautiful green color, and 10 or more rich, plump, fine peas in each pod. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85; 100 lbs., \$16.00; bu., \$9.00.

### THOMAS LAXTON

This is a product of the Gradus Strain, the season is identical with Gradus, the pods are square at the end and deeper green color than the parent strain. Vines are 3 to 3½ feet high and may be grown with or without brushing, the main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for the home garden. A better yielder than Gradus.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85; 100 lbs., \$16.00; bu., \$9.00.

### VAUGHAN'S NEW LATE GRADUS

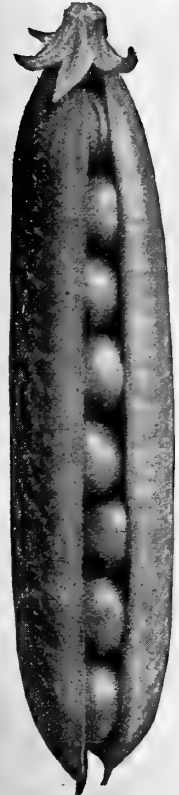
This is a special Gradus Pea bred to fill a special place and time. It comes in between the last of the Gradus and the first of the Telephone; It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. The handsome appearance of this new variety secures for it ready sale at the best earlier sort prices; it is a most important introduction for market gardeners as well as for the home garden.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00; bu., \$9.60.

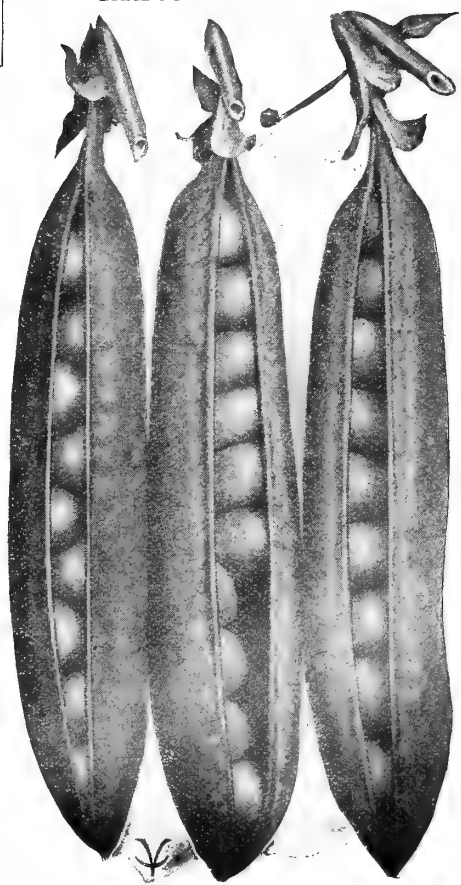
### SUCCESSION OF DWARF PEAS

Sutton's Excelsior. Dwarf Defiance. Heroine. Planted at one time they will ripen successively.

	At Buyer's Expense		At Buyer's Expense
No. 1. 1 pkt. of each 25c (prepaid)		No. 3. 2 lbs. of each	\$0.95
No. 2. 1 lb. of each	\$0.50	No. 4. 10 lbs. of each	4.50



THOMAS LAXTON

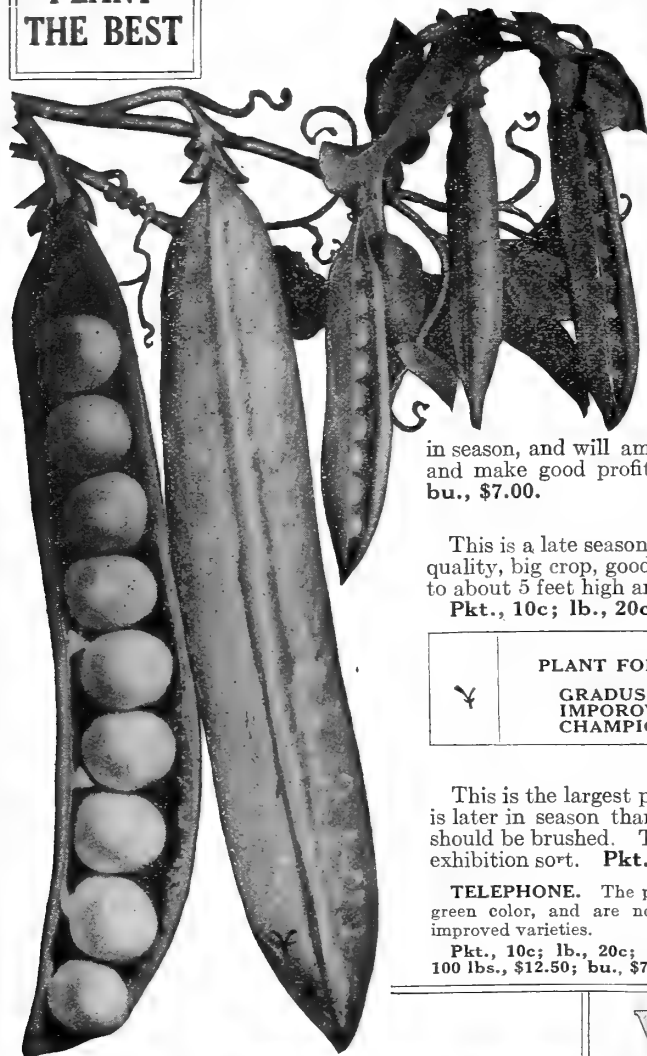


GRADUS OR PROSPERITY

**PLANT  
THE BEST**

**VAUGHAN'S IMPROVED  
TELEPHONE**

**VAUGHAN'S**



### VAUGHAN'S IMPROVED TELEPHONE

Of the tall growing varieties of peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. In the home garden its value is attested by heavy yielding and excellent quality, and requires no bushing or support.

The productiveness of this variety, in large pods as well as heavy crop, is a distinctive feature of special interest and importance to market gardeners. Uniformity in type, and large pods, 5 inches or more long, filled with 8 to 9 delicious peas superb in flavor; and the fine, cool looking, rich, green color of the pods, giving them the highest marketable value in appearance, which is retained several days longer than pods of lighter color could be, are all points for the market gardener to figure on. The crop maturing evenly makes only a few pickings necessary, and with such goods the gardener gets a good, profit-making price.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop, in season, and will amply justify the efforts of all market gardeners who aim to please customers and make good profit. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

### CHAMPION OF ENGLAND

This is a late season tall-pea, and as such it is, and has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor and fineness. The vines mature to about 5 feet high and are very vigorous, and bountiful producers. Plant Vaughan's Seeds.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

✓	PLANT FOR SUCCESSION.		Postpaid by Mail \$0.25	By Express at Buyer's Expense	✓
	GRADUS.....	1 pkt., each.....			
	IMPROVED TELEPHONE.....	1 lb., each.....		.50	
	CHAMPION OF ENGLAND.....	2 lbs., each.....		.95	
		10 lbs., each.....		4.50	

### QUITE CONTENT

This is the largest podded pea; the pods being 5-6 inches in length, quite exceptional for size; it is later in season than "Vaughan's Improved Telephone," the vines grow 5 to 6 feet high and should be brushed. They yield long, producing pods with large peas of fine flavor. A splendid exhibition sort. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85; 100 lbs., \$16.00; bu., \$9.00.

**TELEPHONE.** The pods are light instead of dark green color, and are not quite as uniform as our improved varieties.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**BOSTON UNRIVALED.** Of the light colored tall sorts, this is the highest type. A mid-season variety, large podded and very uniform, peas of good quality and delicious flavor.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

## VAUGHAN'S PARSLEY

### VAUGHAN'S XXX PARSLEY

**"The most beautiful Parsley that ever garnished a dish."**

An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with some sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of daintest green, appetizingly fresh and beautiful, adds zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes.

It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip, through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.

Its flavor is piquant and pleasing—the leaves are tender. Pkt., 10c; 2 pkts., 15c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

**CHAMPION MOSS CURLED.** In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss; with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is highly esteemed by many, because of its pretty leaves and aromatic flavor.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**DOUBLE CURLED.** A very fine dwarf, handsome green, curled variety.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

### GROW GLADIOLUS FOR CUT FLOWERS

To the busy woman who loves flowers and yet has but little time to devote to them, the Gladiolus especially appeals. If one has but little to spend in this way, you can procure even a dozen mixed bulbs at small cost for home use. If one desires early blossoms, they may be sprouted in the house in a box of good garden loam, then set in the bed when danger of frost is over. Excellent success, however, can be had by putting the bulbs in the flower garden about

**FERN LEAVED.** Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**PLAIN.** The leaves are not curled. However, the flavor is excellent and plant is very hardy.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**HAMBURG ROOTED OR GERMAN PARSLEY.** The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

the last of May (without previous sprouting) in good, rich garden loam. In America many market gardeners are making money by growing Gladiolus flowers and disposing of them at summer homes for good prices. The availability of Gladiolus Bulbs for this purpose is marked. The bulbs already contain the young flower stalks and flower in 8 to 10 weeks from planting. We have raised on our own farms many thousands of the best selling kinds of these flowers and offer them cheaper than previously sold. See pages 116, 117 and 118.



**VAUGHAN'S  
XXX  
PARSLEY**



# TALL GROWING PEAS

**PLANT  
THE BEST**

## PRINCE EDWARD

A top-notch for exhibitions. The pods are so large they are truly magnificent. This is an English strain of the "Telephone," selected and bred especially for size of the pods. Large size pods and fine quality of peas are combined in this variety. The peas are plump, have fine grain, and good flavor. The vines are heavy bearing. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**ALDERMAN.** This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific: the peas are of the best quality.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**LONG ISLAND MAMMOTH.** Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is harder than Telephone. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**EVERBEARING.** For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

**YORKSHIRE HERO.** An old standard variety; vines medium tall; produce a crop of fine, broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition for eating. A great favorite on the Pacific Coast. Pkt., 10c; lb., 20c; 2 lbs., 35c; 10 lbs., \$1.40; 100 lbs., \$11.50; bu., \$6.50.

**BLACK EYE MARROWFAT (Late).** A great yielder of ordinary quality peas.

Pkt., 10c; lb., 15c; 2 lbs., 30c; 10 lbs., \$1.15; 100 lbs., \$9.00; bu., \$5.40.

**WHITE MARROWFAT.** Similar to Black Eye. Popular heavy yielder.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.50; 100 lbs., \$12.50; bu., \$7.00.

## EDIBLE POD PEAS

**DWARF GRAY SUGAR.** 15 to 18 inches high; pods purple; large, and eaten like string beans.

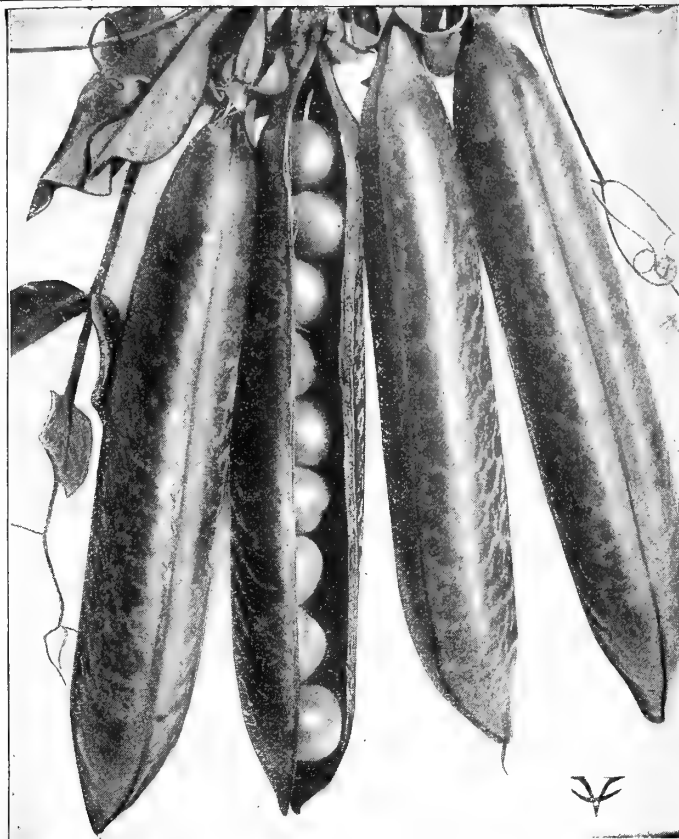
Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu \$8.00.

**LUSCIOUS SUGAR.** Tall growing strain of above.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; Bu., \$8.00.

**MAMMOTH PODDED SUGAR.** A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans.

Pkt., 10c; 1 lb., 20c; 2 lbs., 40c; 10 lbs., \$1.60; 100 lbs., \$14.00; bu., \$8.00.



"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS.

# VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll.

## VAUGHAN'S MARROWFAT PARSNIPS

On this page the illustration of Vaughan's Marrowfat Parsnip tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high class, superior variety of parsnip. In richness of flavor it is unequalled. For exhibition purposes it is a winner. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Parsnips, are a valuable stock food, as well as a table dish.

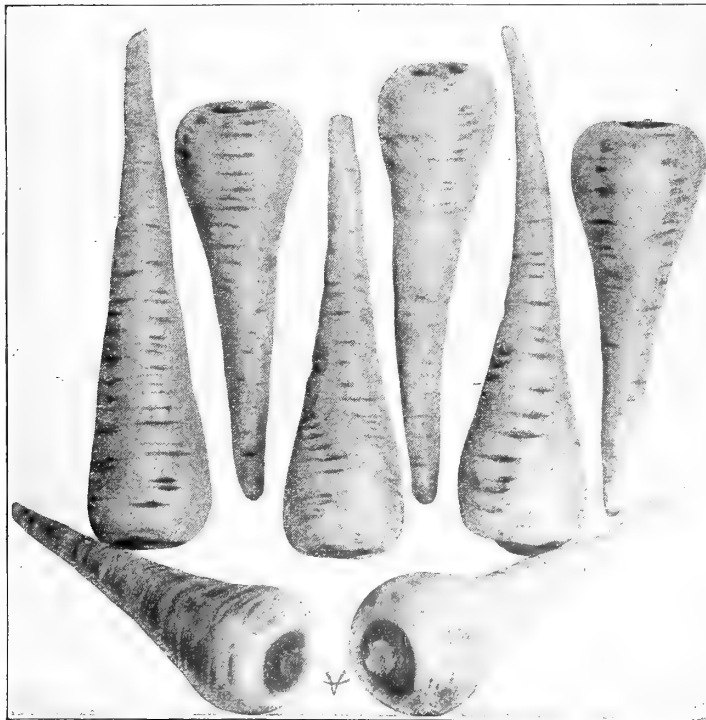
**MAGNUM BONUM.** A greatly improved strain of "Hollow Crown" Parsnip. As a money maker for market men we recommend it; it is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**HOLLOW CROWN, LONG SMOOTH.** (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our stock is very fine. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**IMPROVED GUERNSEY.** An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long, the roots are more easily gathered. This sort gives general satisfaction, having good quality.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**VAUGHAN'S NEW INTERMEDIATE.** This new sort does not require soil so deep for its cultivation as that which is necessary for the older sorts. It is quite equal in quality to the older varieties although the roots of this are only one-half to two-thirds as long, when grown under ordinary conditions. On heavy or clay soil Intermediate is especially good; and in past seasons of drought the yield of this variety has been greater than others, and the roots have been the best looking and most easily harvested. Crop very short.



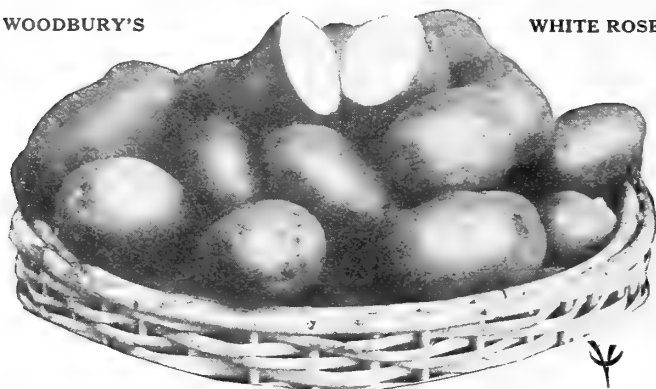
HANDSOMEST AND BEST—VAUGHAN'S MARROWFAT

## PLANT THE BEST

There are helps, in our Iron Age line of Tools, to bring success in the planting and cultivation of potatoes; we have literature which we send free on this subject.

WOODBURY'S

WHITE ROSE



### VAUGHAN'S WOODBURY'S WHITE ROSE

A splendid early potato, of exceptional value, to market growers, who aim to make money through supplying a superior quality early potato to their customers. Woodbury's White Rose is a seedling from "Early Rose" to which it is superior. It is right in size, beautiful kidney-shape with pure white skin and flesh. Eyes shallow, makes peeling easy with less waste. The vines are vigorous and resist early blight, and the yield is double that of extra early sorts. The elegant appearance and splendid table quality of Vaughan's Woodbury's White Rose, together with its cropping, blight-resisting and other excellent qualities, makes early potato profits sure for growers who plant Vaughan's seed of this variety.  $\frac{1}{2}$  pk., 55c; pk., 90c;  $\frac{1}{2}$  bu., \$1.75; bu., \$3.25; 10 bu., \$30.00.

### VAUGHAN'S WHITE OHIO

This is the most popular first early white potato. A sport from Red Ohio and very similar to that sort, except in color. An excellent sort for the home garden.  $\frac{1}{2}$  pk., 55c; pk., 90c;  $\frac{1}{2}$  bu., \$1.75; bu., \$3.25; 10 bu., \$30.00.

# VAUGHAN'S

## EARLY AND MAIN CROP SORTS

Vaughan's Early Seed Potatoes have for forty years been the standard of quality. Vaughan's Improved Red River-Grown Ohio has been for years and is now the best first early. The last few seasons have been unfavorable for first early potato crops, and there has been an increasing demand for second early and medium season varieties which out-yield the first earlies, but still command the high market prices.

We are able to offer three valuable sorts in this class—Irish Cobbler, first introduced in the West by Vaughan's Seed Store, which in some

### VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable—in the Red River Valley of Minn., the natural home for high-class potato seed. This standard variety is well known to growers, who find it superior to other strains. In the middle West Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected. It is the favorite of large market growers.  $\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

Improved

Early



Ohio

Red



# VAUGHAN'S MAIN CROP VARIETIES

## NEBRASKA—The Best—Rural Type

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The

vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical.

$\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

### OTHER RURAL TYPES

**CARMAN NO. 3.** One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years.

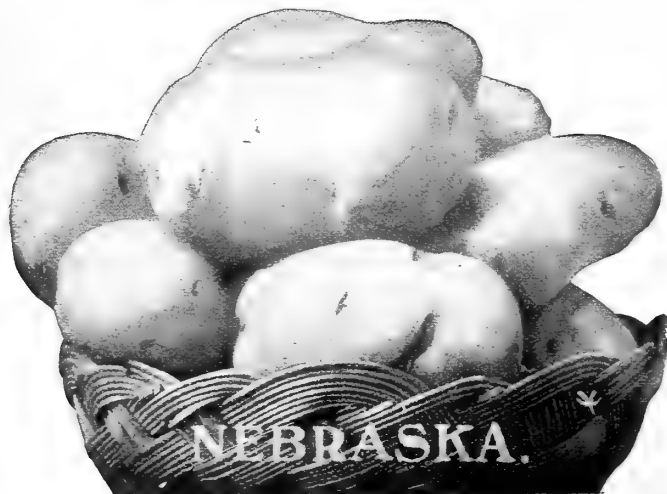
$\frac{1}{2}$  pk., 45c; pk., 80c;  $\frac{1}{2}$  bu., \$1.50; bu., \$2.90; 10 bu., \$27.00.

**RURAL NEW YORKER NO. 2.** The standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural.  $\frac{1}{2}$  pk., 45c; pk., 80c;  $\frac{1}{2}$  bu., \$1.50; bu., \$2.90; 10 bu., \$27.00.

**SIR WALTER RALEIGH.** An A1 late potato. Seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine grained and white-fleshed, equaling the old snowflake quality.

$\frac{1}{2}$  pk., 45c; pk., 80c;  $\frac{1}{2}$  bu., \$1.50; bu., \$2.90; 10 bu., \$27.00.

**GREEN MOUNTAIN.** After careful trials we list this as the most desirable of the cylindrical potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep—this habit is detrimental on heavy or clay lands where the crop is liable to run undersized. On loam the tubers run uniformly large and slightly irregular in shape. Green Mountain is a hard potato to beat for eating quality; they cook dry and mealy with a particularly fine flavor. Under favorable conditions this is an immense yielder; the tops are large and branching with light green leaves and white blossoms entirely distinct from the Rural Type varieties.  $\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.



# POTATOES

**EARLY VAUGHAN POTATO.** Thro' the kindness of one of our old customers we are, this year, able to offer a limited quantity of the grand old standard **EARLY VAUGHAN.** It is an early, heavy cropping, kidney-shaped potato of the very best quality. Order early as we have a very small quantity to offer.  $\frac{1}{2}$  pk., 65c; pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25; bu., \$4.00.

**PLANT  
THE BEST**

## GROWN IN THE FAR NORTH

sections ripens almost along with Early Ohio; Vaughan's Dearborn, also our introduction, a very early round sort and a tremendous yielder, and Woodbury's White Rose, our introduction, a heavy yielding second early, ripening in the order named. No grower of early potatoes will go wrong in trying any one of these sorts. On account of the extreme shortages of potatoes this season, seed is very scarce especially **EARLY VARIETIES.**

Our prices are f.o.b. Chicago, purchaser pays transportation charges.

### IRISH COBBLER—Early Heavy Cropper

Is a grand early potato of medium large size, and in light soil, does its best for earliness, in which it matures almost as early as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine-grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard Earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money-maker and trade-winner. Our seed is grown in Red River Valley, Minn., and is superior to other strains grown elsewhere.

$\frac{1}{2}$  pk., 50c; pk. 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

**ACME.** A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens.

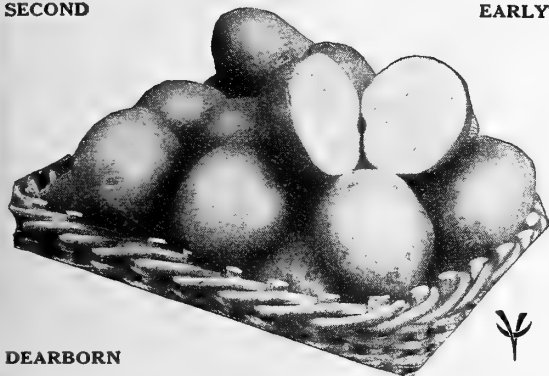
$\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

**VAUGHAN'S DEARBORN.** The heaviest yielding second early. A round potato of blocky appearance something like the Irish Cobbler but flatter. In season less than a week later than Cobbler and a twenty-five per cent better yielder. A fine sort wherever Cobblers do well.

$\frac{1}{2}$  pk., 55c; pk., 90c;  $\frac{1}{2}$  bu., \$1.75; bu., \$3.25; 10 bu., \$30.00.

## SECOND

## EARLY



DEARBORN

A  
Second  
Early  
  
That  
Makes  
Friends

**Our Stock of Dearborn is Short  
This Year—Order Early to Get Seed**

### RUSSET RURAL OR PETOSKEY

A superb variety of recent introduction and considered by the raiser to be away ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials serve to strengthen our high opinion of its merits. Russet Rural is not only an excellent yielder but takes the lead in all directions. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for the excellence of their cooking qualities. When dished up the long tubers present a delightful appearance by reason of their superb whiteness. There is practically no waste in peeling as the eyes are almost on the surface of the potato. The tubers are uniform in size and each plant yields above the average of salable potatoes.

$\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

## Irish



## Cobbler



**BLISS or RED TRIUMPH.** For more than a decade this has been the standard early Potato in the South. It is a round, reddish skinned potato; rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are **very attractive** and, of course command a large premium over the old stock.

$\frac{1}{2}$  pk., 50c; pk., 85c;  $\frac{1}{2}$  bu., \$1.60; bu., \$3.00; 10 bu., \$27.50.

### SWEET POTATOES

**GROWN ESPECIALLY FOR SEED.** We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nancemond.

	$\frac{1}{4}$ Bu. Boxed	Bu. Boxed	Bbl.
Yellows.....	\$0.75	\$2.00	\$5.00
Reds.....	1.00	3.00	6.00

### IRON AGE POTATO MACHINERY

We take great pleasure in recommending to our customers the "Iron Age" Potato tools, as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.

Iron Age Potato Planter 400L or 404L, with Fertilizer Distributer ..... \$85.00

Iron Age Potato Planter 400 or 404, without Fertilizer Distributer..... 75.00

Iron Age Potato Digger No. 125 ..... 95.00

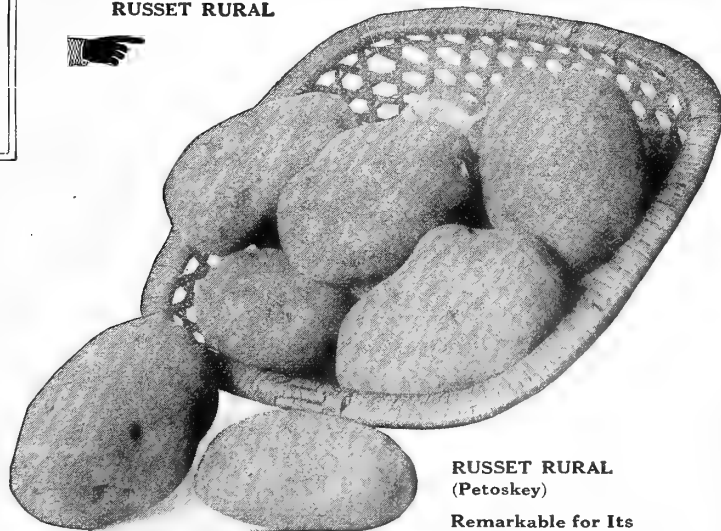
## VIGOROUS GROWTH, TRUE TYPES CHARACTERIZE VAUGHAN'S POTATOES

### VAUGHAN'S KEYSTONE

This is a new sort and we believe it has superior quality to any other late white potato now being offered. Vaughan's Keystone has a finely netted skin—a sure sign of fine quality; it crops dry and mealy, and is almost pure white, not the brownish white of other varieties. The shape of Keystone is long and tapering, and it has shallow eyes, this together with the fine white netted skin, when grown in light soil, give it an attractive beauty on the market, which spells profit to growers. In addition to fine quality and appearance, Vaughan's Keystone is a heavy yielder, equal to any of the late sorts; and in dry summers has surpassed all "Rural" sorts—which means crop assurance. Crops like Carman No. 3 and Sir Walter Raleigh. The vine habit is bushy, does not spread in the row, which allows late cultivation without injury.

$\frac{1}{2}$  pk., 60c; pk., \$1.00;  $\frac{1}{2}$  bu., \$1.90; bu., \$3.50.

### RUSSET RURAL

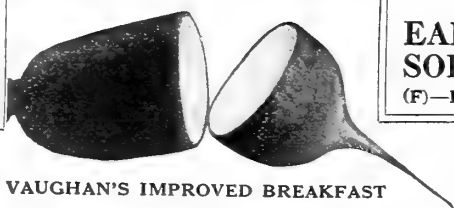


**RUSSET RURAL  
(Petoskey)**

Remarkable for Its  
Freedom from Disease.



**PLANT  
THE BEST**



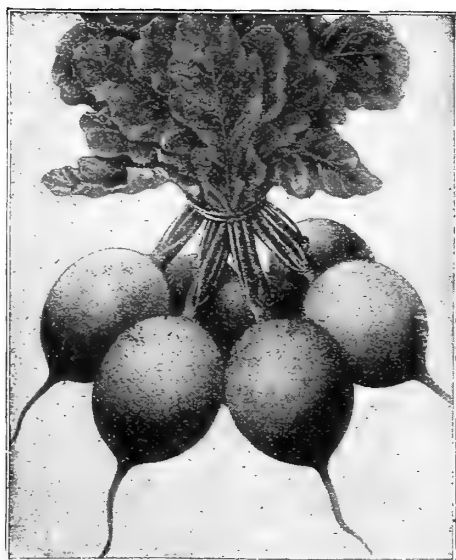
VAUGHAN'S IMPROVED BREAKFAST

**EARLY  
SORTS**  
(F)—Forcing Sorts

**VAUGHAN'S**

**VARIETIES**—The Radishes illustrated and described on these pages, represent the very best SORTS and the truest and finest TYPES of each, that money can secure in any market.

The FORCING and EARLY varieties were produced by the foremost growers of Europe who excel in the production of these sorts, with short tops and quick growth. We recommend to our large clientele of customers and friends, our complete line of Radishes.



SCARLET  
GLOBE



SOLID CRISP

VAUGHAN'S SELECT SCARLET GLOBE

**VAUGHAN'S CARDINAL FORCING (F)**

Is a splendid marketing radish; of the Globe shaped sorts it is the handsomest; it is larger and more even shaped, and has also a richer red color of skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**EARLY SCARLET GLOBE WHITE TIP.** Best and quickest of the white tips; fine quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**VAUGHAN'S ALL SEASONS.** May be sown from Spring to Autumn and used at all stages of growth; a round scarlet radish. Crop failed.

**"CRIMSON GIANT" (F)**

For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet flavored. Sow seed thinly—to permit root growth. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**BRIGHTEST LONG SCARLET**

This is a home garden favorite; it combines beauty and fine quality; the body is brightest scarlet color, which blends downward to a long tip of pure white. This handsomest best seller of the long red radish sort, is usually ready for the table in 25 days from planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



BRIGHTEST LONG SCARLET

**LONG SCARLET SHORT TOP**

This is a long, straight, smooth, red radish; it grows partly above ground; it develops long roots that are tender, crisp and sweet; this is a standard sort, fine for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WOOD'S EARLY FRAME.** This is an early forcing variety of long scarlet; has short top, especially selected for growing under glass—for use in frames. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**HALF LONG DEEP SCARLET.** This is good for forcing, it is brittle and juicy in quality. A half long deep scarlet radish; is much grown in the south for early shipment. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**EARLY SCARLET GLOBE (F)**

For hot bed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This Radish is rich bright scarlet in color, is not pithy but has very fine quality; it resists heat and is ready for the table in 25 days—a great favorite. This being an **Early Radish** it is not good for hot summer planting—for then it loses its shape, but is entirely satisfactory for **early** planting.

Vaughan's Scarlet Globe Radish should be planted in every garden for market as well as home use. For the home, plant every 10 days.

Vaughan's seed is selected for size, shape, color and earliness.

**Select Stock**—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c; 5 lbs., \$3.75; 10 lbs., \$7.50.



**SCARLET GLOBE**

(Regular Stock)

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**EARLIEST CARMINE  
TURNIP (F)**

The best and quickest all red turnip shaped radish. Matures in about 21 days—for forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. The skin is deep crimson, flesh white, crisp, sweet and tender; leaves are very short. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**EARLIEST WHITE  
TURNIP (F)**

Good for forcing or open ground, tops are short and tap root thin. The earliest turnip shaped radish has excellent flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**TRIUMPH.** Is a very early, handsomely mottled red and white striped, short topped radish of good quality—an attractive and useful sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**IMPROVED BREAKFAST**

Don't Sow  
Winter Sorts  
Until  
Late June

**LONG AND**

**VAUGHAN'S MARKET.** The best early half-long white radish tender, brittle, fine flavored; resembles Strassburg in size—grows quicker—delicate and fine. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**CINCINNATI MARKET.** A long red radish, white tip, short top. A standard in some parts of the South. Good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**SUMMER RADISHES**

Grow larger than early radishes and remain in good condition longer.

**IMPROVED CHARTIER.** Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LONG WHITE VIENNA.** Snow white, very brittle and crisp. A long, handsome radish. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WHITE STRASSBURG.** Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**STUTT GART.** A turnip shaped, large white radish. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WINTER RADISHES**

Do not sow these until the latter part of June.

**THE MUNICH.** The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow thickly; have mild and delicious flavor.

Pkt., 10c; oz., 15c; ¼ lb., 35c. Very short crop.

Each of the following: Pkt., 5c; oz., 10c, except where noted. ¼ lb. lb.

**CALIFORNIA MAMMOTH WINTER.** Long, very large size. \$.25 \$.80

**ROSE OR SCARLET CHINA.** Rose, medium size, fine keeper. .25 .75

**CHINESE MAMMOTH OR CELESTIAL.** The best of all very large white radishes. Immense size, flesh always crisp and mild. .25 .85

**BLACK SPANISH LONG.** Black skin and white flesh. .25 .80

**BLACK SPANISH ROUND.** Like long black, only round. .25 .80

**HALF LONG BLACK WINTER.** .25 .80

**LONG WHITE SPANISH.** Like Long Black, except color. .25 .80

**RAT TAILED RADISH.** Seed pods edible. Pkt., 5c; oz., 30c.

# RADISHES

## OVAL VARIETIES

(F)—Forcing Sorts

**PLANT  
THE BEST**

which are thoroughly reliable for fine quality and beautiful appearance. The crop is limited in quantity this season by weather conditions—get your supply of seed early. In the home garden, plant Vaughan's Early Scarlet Globe, Cardinal Forcing, Giant Butter or Crimson Giant, which are excellent for first planting; Icicle, Scarlet Turnip White Tip, Sparkler, Long Scarlet for main crop; and July first sow winter varieties. Radishes must grow quick to have good quality, have soil highly fertilized, commercial fertilizer is best for this purpose.

## SCARLET TURNIP WHITE TIP

VAUGHANS SELECTED STOCK

The exceptional merit of this radish is proved by its popularity increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate.

Vaughan's "Sparkler Strain." Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25; 10 lbs., \$6.00.

### EXTRA EARLY OLIVE-SHAPED VAUGHAN'S 20-DAY

The quickest Red Olive shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, pure white, sweet, crisp and tender flesh, pleasant to taste. Leaves are short—permits close planting.

This is a fine sort for out-door planting or forcing.

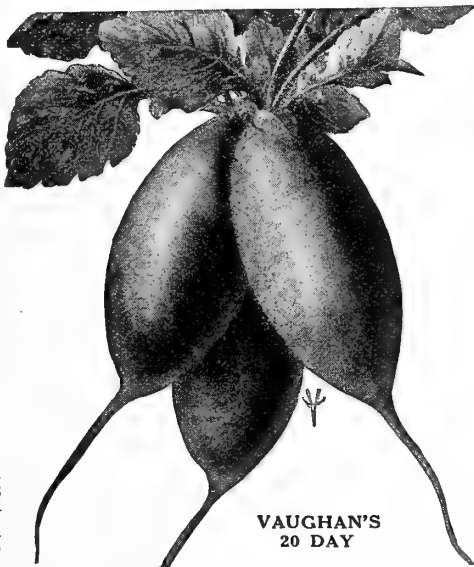
Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., \$1.00.

### EARLIEST WHITE OLIVE (F)

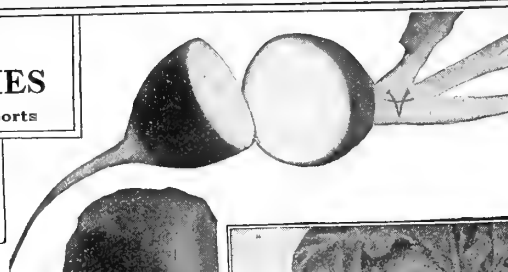
Earliest of all radishes—matures in 15 to 18 days after sowing.

This sort is pure white, oblong shape with small tops—can be planted close; a tender radish makes good eating.

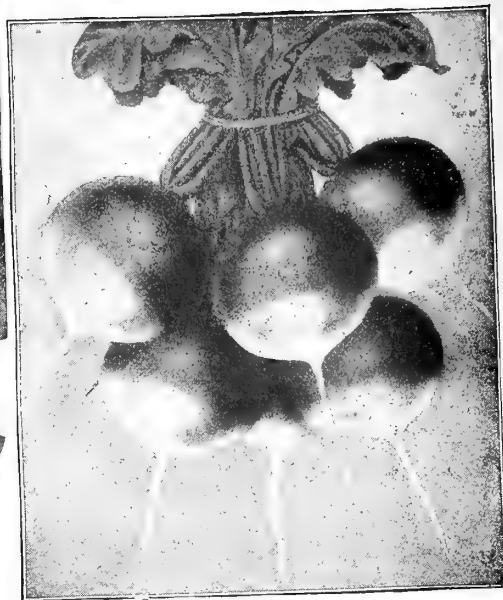
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



VAUGHAN'S  
20 DAY



SOLID CRISP



SCARLET TURNIP, WHITE TIP

### IMPROVED BREAKFAST

An excellent early radish; about 2-inches long, round, with slender tap root, deep red skin with white tip. Flesh is pure white sound and solid, sweet, crisp and tender, fine for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c.

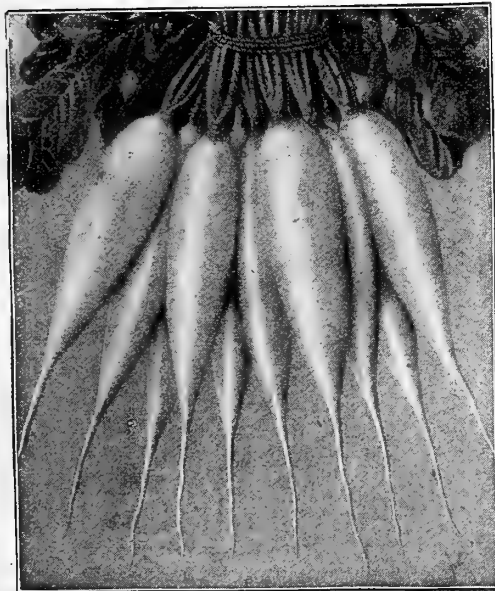
Any of the following, Pkt., 5c; oz., 10c.  
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20 day \$0.25 \$0.80  
OVAL YELLOW MAY. A new sort, fine quality .25 .80  
FRENCH BREAKFAST. Quick and handsome .25 .75  
MIXTURE. Turnip and olive shaped varieties .20 .60

### OTHER KINDS

NON PLUS ULTRA. (F). Scarlet turnip shaped, pkt. oz. ¼ lb. lb.  
good forcer .05 \$0.05 \$0.10 \$0.25 \$0.80  
EARLY DEEP SCARLET TURNIP. An old standby. .05 .10 .25 .80  
YELLOW TURNIP. (A summer variety) .05 .10 .25 .75  
GOLDEN YELLOW SUMMER TURNIP. Smooth, fine skin .05 .10 .25 .75

## OTHER SORTS

Vaughan's  
Olive Crystal.  
Crop failure  
this year.



ICICLE RADISH

### ICICLE—The Finest White Radish

An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown—it is tender and fine. Plant every 10 days for succession. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### SAKURAJIMA

A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste. Must be sown in May. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

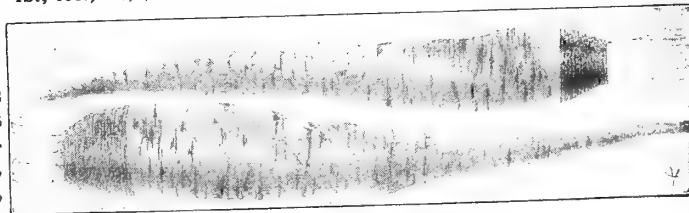
### RAMPION—A New Salad

Both the roots and leaves make a delicious salad. Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.

### SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground but lifted before they start to grow. Salsify is boiled like parsnips or carrots and served either with or without cream and gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.  
LONG ISLAND SALSIFY. The Old Standard. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.



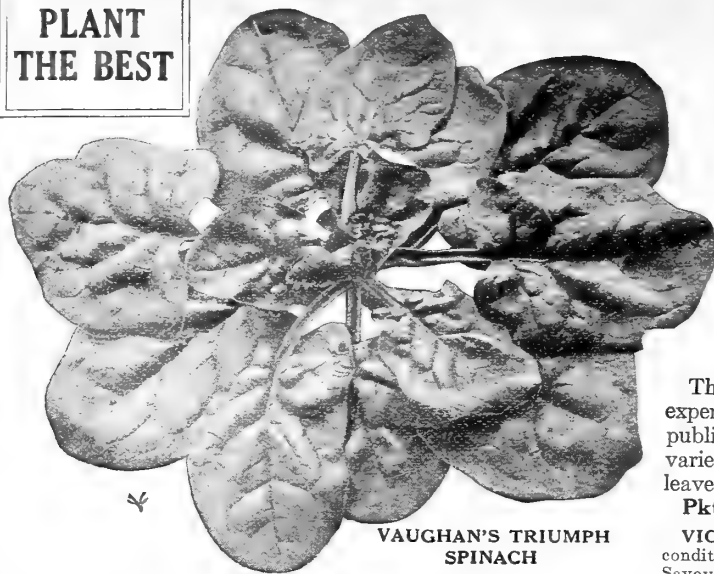
SALSIFY, MAMMOTH SANDWICH ISLAND

### SCORZONERA, OR BLACK SALSIFY

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 5c; oz., 20c; ¼ lb., 60c.

IMPROVED LONG BLACK (BLACK SALSIFY). This variety is earlier than Black Salsify, it may be planted in the late spring without running to seed; the longer season thus permitting a considerable larger growth of root. Pkt., 10c; oz., 20c.

## PLANT THE BEST



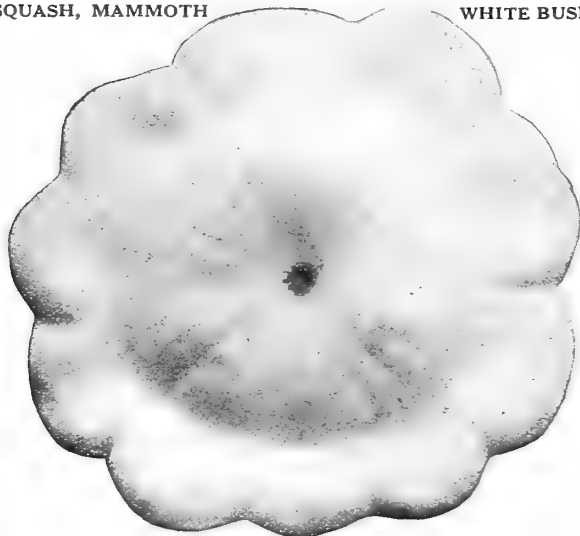
VAUGHAN'S TRIUMPH  
SPINACH

### VAUGHAN'S NORFOLK SAVOY

Is a very hardy sort, the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Vaughan's strain is carefully grown. The most successful and largest growers in the United States plant Vaughan's Norfolk Savoy, which is identical with Bloomsdale. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

### SQUASH, MAMMOTH

### WHITE BUSH



### BUSH FORDHOOK.

A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. The young tender fruits are prepared and cooked like other squashes; or, when stored before frost in a warm dry place, furnish winter squash for table use until the new crop is ready. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

### FORDHOOK

Ripens early and is one of the best keepers we know of. Can be kept all through the winter until June. Is very prolific, and nearly bug and borer proof. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

### SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

### VAUGHAN'S STRAIGHTNECK

A Straightneck selection from the Summer Crookneck. Desirable for shipping. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

### VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and receipts for cooking.

Pkt., 10c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

# VAUGHAN'S

## VAUGHAN'S TRIUMPH SPINACH

This new development in a fine spinach has special points of advantage; it withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick wartyed, are fine and tender when cooked.

Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

## VAUGHAN'S GIANT FILL-BASKET

The very largest spinach, the result of careful re-selections made by an expert German grower. In Germany Fill-Basket has taken first place in public favor. In America customers have had great success with the variety and are planting it more extensively each year. Its broad thick leaves are very tender, well flavored and can be cut early.

Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**VICTORIA.** A standard, and, excepting "Vaughan's Triumph," remains in prime condition two to three weeks after all other varieties have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**EXTRA LARGE ROUND LEAF.** Large crumpled leaves. Pkg., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**PRICKLY SEEDLED.** Very hardy; sow in fall. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**BLOOMSDALE.** Identical with Vaughan's Norfolk Savoy. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**LONG STANDING.** Slow to seed. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**MONSTROUS-LEAVED VIROFLAY.** Quick, strong growth; much used by New York truckers. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**NEW ZEALAND.** Suited to dry, arid localities where other varieties do badly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

Spinach Seed is a very short crop this year. Write for quantity prices.

# SUMMER SQUASH

## MAMMOTH WHITE BUSH—Patty Pan

Is an improved selection of the old "Early White Bush," the long highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer, and retains the excellent qualities of the older favorite. Our strain is very select.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**EARLY WHITE BUSH.** The older, very early sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**EARLY YELLOW BUSH.** A true bush, though of an earlier and smaller strain than the above. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**MAMMOTH GOLDEN BUSH.** Like Mammoth White Bush. The fruits run a little larger and have a fine pale-yellow skin, creamy white flesh. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**GIANT WHITE SUMMER CROOKNECK.** A selection from the old "Summer Crookneck." It is somewhat larger, and the skin is ivory white, which adds an attractive appearance to windows where other vegetables are grouped. The flesh is tender and of good flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

## GIANT SUMMER CROOKNECK

Our strain of this popular Squash produces fruits nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruits that are heavily warted and true to type. The flesh color is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

## SUMMER CROOKNECK VAUGHAN'S GIANT





# SPINACH

Including  
SWISS CHARD  
The ever-growing  
Spinach

## SWISS CHARD—The City Garden Friend

ALSO CALLED "CUT AND COME AGAIN" SPINACH

This vegetable gives **maximum returns** for **little care** and **space**, it yields a constant crop from July to Winter. If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for **greens** the same as spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all **Summer** when **spinach** is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family. As it grows, thin out for use and keep clear of weeds. Good cultivation increases the tenderness of the leaves. Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25**

**LUCULLUS SWISS CHARD.** A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.**

**LYON SWISS CHARD.** A new variety, selected especially for its broad mid-ribs and stems. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

### TWELVE VEGETABLES GIVING MAXIMUM RETURNS. FOR MINIMUM SPACE AND LABOR.

**Beans.** Stringless Greenpod.  
**Beets.** Vaughans Fire Ball  
**Carrot.** Early Chantenay.  
**Sweet Corn.** Golden Bantam.  
**Cucumber.** Davis Perfect.  
**Lettuce.** Black Seeded Simpson.

**Onion Sets.** White Bottom.  
**Parsley.** Vaughan's XXX.  
**Radish.** Scarlet Globe.  
**Radish.** Icicle.  
**Swiss Chard.**  
**Tomato.** Bonny Best.

# WINTER SQUASH

**BOSTON MARROW.** Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

**CHICAGO ORANGE MARROW.** Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always salable, has handsome shape, smooth orange skin, nice size, everyone likes it. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

**PIKE'S PEAK OR SIBLEY.** A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh of very superior quality, is light yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

**DELICATA.** Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid; fine keeper and producer. Extra early. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

**FAXON'S BRAZILIAN.** Early, long keeper, a sort that sports, average quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

### THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruits vary in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; for compact fineness of grain, dryness, richness, and sweetness of flavor, it has no peer. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.**



DELICIOUS SQUASH

PLANT  
THE BEST



SWISS CHARD  
FOR SUMMER GARDEN

**SORREL.** Sauerampfer-Oseille. Is boiled and served like spinach, also delicious soup is made with it, and it possesses a very fine flavor. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.**



ORIGINAL HUBBARD

Not as large as Vaughan's original Chicago Warded Hubbard, but in shape and quality it is similar. The fruits have dark green skin, and often weigh as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

### CHICAGO WARTED HUBBARD

Vaughan's Chicago Warded Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; these are large size, rough skin, dark green color on the outside. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market; vines are of strong robust growth, fruits are large, grand shape, heavily warted, fine color; flesh fine grained, rich and dry.

**Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.75; 10 lbs., \$11.00.**

### GOLDEN HUBBARD

The best kind for the home garden; the fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season but keep in fine condition through the winter. The skin is bright deep orange yellow, very attractive appearance. Flesh is deep golden yellow, fine grained, cooks very dry and has rich flavor. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.**

### GOLDEN BRONZE

Large size, 8 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. **Pkt., 5c; oz., 15c.**

### MARBLEHEAD

Prolific, light blue, olive shape, dry and sweet, delicious flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

### ESSEX HYBRID

For fall or winter; large broad fruits, large neck or Turk's cap at blossom end. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.**

## PLANT THE BEST

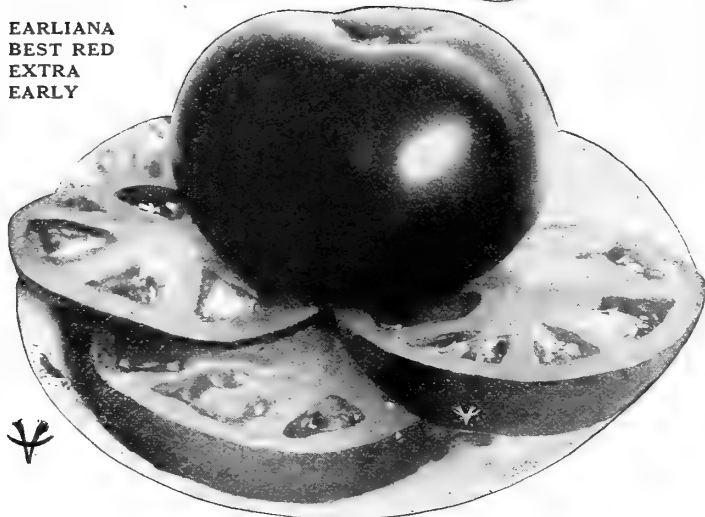
### Tomato Plants

We have ready about May 15th, carefully grown tomato plants.

See page 54 for varieties and sizes.



EARLIANA  
BEST RED  
EXTRA  
EARLY



### THREE CLOSELY RELATED EARLY REDS

**JOHN BAER.** A remarkable new variety—only a few days later than Earliana; it yields a much heavier crop of larger, more uniform and more attractive fruits—generally returns the biggest profits of any extra early variety.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**BONNY BEST.** Regarded as a few days later than Earliana and a shade later than John Baer. Smooth, large and uniform fruits yielding well until frost.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**CHALK'S EARLY JEWEL.** The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**ACME—Early (Purple).** Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**EARLY DETROIT (Purple).** The equal, if not the best, of any second Early Purple Tomato. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruits through the long season, yielding in the aggregate even more marketable tomatoes than the standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe-shaped, firm, and ship as well as any variety we know. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., \$3.00.

**BEAUTY (Purple).** Is the most popular of the Large Purple Sorts. Vines large, vigorous and heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink, excellent flavor. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**HUMMER—Early (Red).** A globe shaped variety, medium size, smooth, prepared for table without waste. Scarlet color free from cracks. This variety has heavy foliage and should be started, or grown on trellises.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**VAUGHAN'S MODEL TOMATO.** A handsome dwarf tree variety, potato leaf, foliage very large, broad, very deep dark green, heavily blistered. The fruit is smooth, and of best quality—the color is a deep brilliant scarlet. It is sure to please in the home garden. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

# VAUGHAN'S

## EARLIANA

### MOST POPULAR EARLY RED

Vaughan's Earliana is the earliest large, smooth red tomato. In season it ripens with the earliest, it is large, and smooth, bright red, and our strain shows few, if any, of the rough fruits found in numerous quantity in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. By constant supervision we keep our strain right—our trials show it is without a superior. This variety is planted almost exclusively in some southern tomato shipping centers. Buy Vaughan's Strain of Earliana and get results.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

### JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a pink early tomato is most desired; this is the earliest of the Pink varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find few rough fruits, and in Western markets where pink tomatoes only sell readily, this is a splendid profit maker. The fruits are of fair size and good quality, and ripen evenly, permitting quick harvesting.

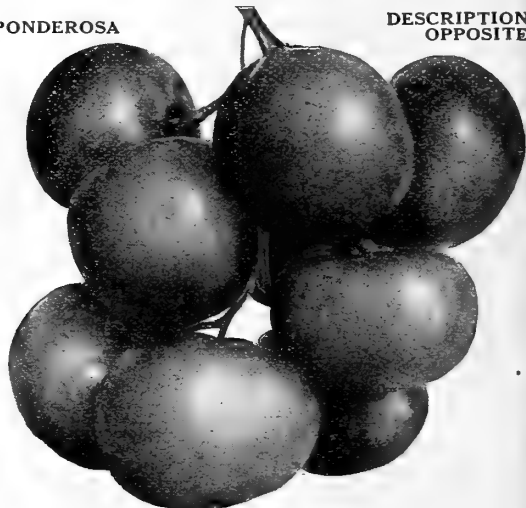
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

### VAUGHAN'S PONDEROSA

### DESCRIPTION OPPOSITE

A SINGLE

CLUSTER



## EARLY DWARF CHAMPION

We recommend this sort for the home garden with the greatest confidence. Owing to its dwarf habit and upright tree-like growth it is a great favorite; the fruit resembles the main crop variety "Acme." It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid and of firm quality. The vine is strong and stiff, requiring the very least support. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**DWARF ARISTOCRAT.** This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use, and with the brilliant deep scarlet which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

### FORCING VARIETIES

**SUNRISE.** Rich scarlet, medium size, solid, delicate flesh. Very prolific Pkt., 15c; ½ oz., 40c.

**COMET.** Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. Pkt., 15c; ½ oz., 30c.

**HUBERT'S MARVEL.** Scarlet color. Round like an apple. Pkt., 15c; ½ oz., 30c.

**BEST OF ALL,** Sutton's. One of the old standards and very good yielder of small scarlet fruits. Pkt., 10c; ½ oz., 25c.

**FROGMORE SELECT.** Almost round, small seed cavity, bright red, old favorite. Pkt., 15c; ½ oz., 25c.

**LORILLARD.** One of the best known and popular kinds. Pkt., 10c; ½ oz., 25c.

**STERLING CASTLE.** Small size, uniform and very productive. Pkt., 15c; ½ oz., 35c.

**LISTER'S PROLIFIC** (new). Latest popular English sort. Pkt., 25c.

When largest fruits are desired for show or other purposes, the side shoots should be removed, and the plant grown as a single vine and staked.

### DWARF CHAMPION



# TOMATOES

**PLANT  
THE BEST**

## DWARF STONE—The Largest Dwarf Tomato

This is the **largest Dwarf tomato** grown; it resembles "Dwarf Champion" in habit, but is of **stronger growth and more erect**. In shape and size it is similar to "Tall Stone"; the fruit is red, and specimens weighing 1 pound are quite common. In season Dwarf Stone is almost as early as "Dwarf Champion," but the fruits are the size of the last named sort. **Fruits ripen evenly**, are **solid**, free from cracks at the stem and have excellent quality. Amateurs not accustomed to training vines, find Dwarf Stone a splendid sort, because of the dwarf habit and robust growth of the vines.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

## PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruits reach 1 pound in weight; they grow in beautiful uniform clusters—see illustration. The fruits are mostly oblong in shape, usually ribbed, are deep purple color, solid flesh of sweet flavor, and small seed cells.

Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

VAUGHAN'S  
IMPROVED  
NEW STONE

ONE  
CLUSTER

VAUGHAN'S IMPROVED  
NEW STONE

## NEW GLOBE

### A NEW BALL-SHAPED TYPE

This new **Globe or Ball Shaped** tomato is ideal for the home garden; it is excellent for slicing without waste, one slice like another. The rich, juicy, meaty, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies, they yield a heavy crop and continue to bear until frost. The skin is glossy, smooth and a lovely red, the flesh is firm and has few seeds. We offer a carefully re-selected strain.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb. \$3.00.

NEW GLOBE

**MATCHLESS.** Large, bright red, long keeping tomato. The solid fruits are produced on strong, vigorous, prolific vines. Very distinct, desirable sort. Pkt., 5c; ½ oz., 15c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**CREAM CITY.** This is one of the very first large tomatoes to ripen, coming in about a week ahead of Aeme. Smooth, always round and good first size. The color is purplish crimson, similar to Aeme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**VAUGHAN'S TALL CHAMPION.** An extremely strong grower and heavy bearer; the fruits are like "Dwarf Champion" in color and smoothness, but run a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**ENORMOUS.** Very large, beautifully smooth, solid flesh, few seeds; rather oval shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**HUSK or Strawberry.** The small yellow fruits are each enclosed in a husk. They are very sweet, prized for eating, preserving and making pies. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

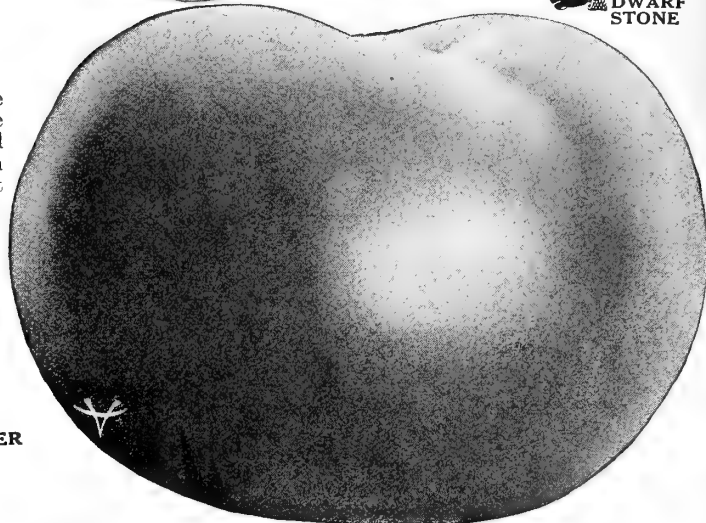
**CORELESS TOMATO.** A late red, most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 fruits. Splendid for markets demanding red tomatoes and for home garden and canners. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**CRIMSON CUSHION or Beefsteak.** Is very large, round and regular; bright scarlet skin, flesh solid best quality, seed cells small and few. Plants are very prolific, fine appearance, good shipper. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 1.00; lb., \$3.50.



The Dwarf or Tree Tomatoes take up less room in the garden than the tall sorts and require no staking.

DWARF  
STONE



## VAUGHAN'S IMPROVED NEW STONE

This is the **very best** of the main crop varieties, it is known as the "King of the Reds." By very careful re-selection to secure heavy yield, large size and fine appearance, we have produced in this tomato a sort that is unequalled. The smooth, skin, small core, fruits with fine flesh of almost beefy flavor are a delight to the eater and a joy to the grower. Canners plant this variety almost exclusively for their main crop—and market gardeners catering to a "red" market find it their most profitable sort. In the home garden—the best main crop sort.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**MAGNUS.** An early main crop; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruits are globe shape, and ripen evenly. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

## SMALL FRUITED TOMATOES

For fancy pickles, etc.

**TWO PEACH TOMATOES.** Peach shape and color, eaten raw or preserved. Red or Yellow, each. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**YELLOW PLUM AND RED PLUM.** Fruits about 2 inches long, 1 inch through; the first is bright lemon yellow, the other, plum red. Solid flesh, fine quality. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**YELLOW AND RED PEAR.** Distinct pear shape. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**RED CHERRY.** Little fruits, bright scarlet. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**RED CURRANT.** Very small. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

## OTHER STANDARD SORTS

Per pkt. 5c, of any of the following:

	½ oz.	oz.	¼ lb.	lb.
Atlantic Prize. Early Red...	15c	25c	75c	\$2.50
Buckeye State. Large purple...	15c	25c	80c	3.00
Early Freedom. Very early...	15c	25c	75c	2.50
Early Michigan. Early Red...	15c	25c	75c	2.50
Favorite. Early, smooth, red, good shipper...	15c	25c	75c	2.50
Golden Queen. Rick yellow...	15c	25c	80c	3.00
Honor Bright. Best shipper; good quality...	15c	25c	75c	2.50
Imperial. Early purple...	15c	25c	75c	2.50
Perfection. Solid flesh; blood red; late; a favorite...	15c	25c	75c	2.50
Trophy. Old standard; late...	15c	25c	75c	2.50



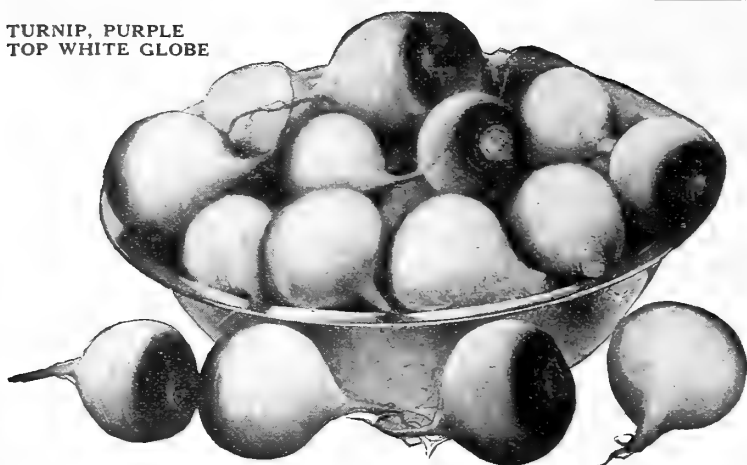
## PLANT THE BEST

Mangels in favorable weather will mature in 140 to 150 days from seed-sowing. Plough deep and apply farm yard manure freely.

## WHITE FLESH VARIETIES

# VAUGHAN'S

TURNIP, PURPLE  
TOP WHITE GLOBE



## GARDEN OR

### PURPLE TOP WHITE GLOBE

Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip top for stock.  
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**WHITE MILAN** is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**EARLY WHITE FLAT DUTCH**, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**EARLY SNOWBALL**. Small, grows quick; white. Splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## MANGELS OR STOCK BEETS

**VAUGHAN'S MAMMOTH LONG RED**. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground; easy to harvest. Splendid dairy feed. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

### BARRE'S SLUDSTRUP MANGEL

Holds the world's record for dry matter contents. This Mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far exceeds any other variety in both the weight and feeding value of yield. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.25.

**GOLDEN TANKARD**. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows very nutritious. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**GIANT YELLOW INTERMEDIATE**. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**CHAMPION YELLOW GLOBE**. Skin a rich yellow, flesh white and solid; grows two-thirds above ground; hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**GIANT ECKENDORF MANGEL**. Most popular German Mangel, contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots weigh 15 to 20 pounds each, cylindrical in form, the greater portion grows above ground and are easily harvested. Oz., 10c; ¼ lb., 20c; lb., 65c. By express—5 lbs., \$2.75.

**HALF SUGAR MANGEL**. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but have white skin and flesh. Highly nutritious and a big producer. Easy to harvest. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

### SUGAR BEETS—Fine for Stock

Grown for sugar manufacture and valuable for stock feed when used sparingly. Our seed is from strains far superior to any usually offered. With proper culture it will produce roots testing a high per cent of sugar.

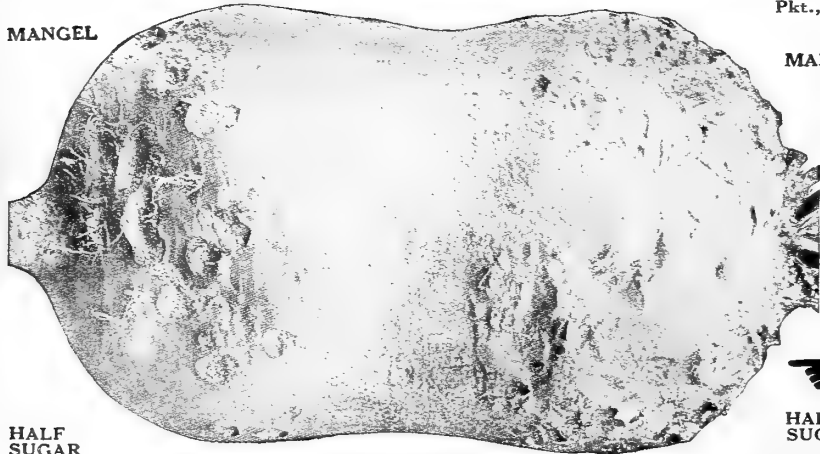
**VILMORIN'S IMPERIAL**. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, contains about 16 per cent sugar. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**KLEIN-WANZLEBEN**. Most popular sugar beet. Wedge shape, tapering to long tail. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**LANE'S IMPROVED**. Heavy yielder; flesh snow white. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

**FRENCH RED TOP SUGAR**. Hardy, productive. Oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., \$2.50.

MANGEL



HALF  
SUGAR



VAUGHAN'S  
IMPROVED  
RUTABAGAS

## FREE BOOKLET ON ROOT CROPS

Root crops are a great necessity for all kinds of stock, and fowl too, root feeding not only gives high class tissue-building substance to the body, but acts also as a tonic, keeping in healthy condition the digestive organs and maintains general good health. As a nutrient body-builder, root crops should be consistently and regularly fed to all stock; and where such is done, results will show themselves not only in the healthful appearance

### CARROTS FOR STOCK—Best for Horses

Carrots are very valuable for all kinds of domestic animals and best for horses. When fed alternately with oats to work-teams on the farm, the value of Carrots is equal to the Oats they displace.

**MASTODON**. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. By express—5 lbs., \$4.00.

**LONG WHITE BELGIAN**. Similar to Long Orange except in color. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. By express—5 lbs., \$4.00.

MANGEL



HALF  
SUGAR

MANGEL  
BARRE'S SLUDSTRUP

### GROWN FOR STOCK

IT MAKES THEM  
GROW, FATTEN  
AND ENRICH  
THE STOCK-  
MAN'S  
PURSE

ALL STOCK  
THRIVE ON  
THESE

# TURNIPS

WHITE  
AND YELLOW  
VARIETIES

Sow all Root Crops in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a machine.

PLANT  
THE BEST

## TABLE VARIETIES

### EARLY PURPLE TOP STRAP-LEAVED

Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**GOLDEN BALL or Orange Jelly.** Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**YELLOW STONE.** Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Fine keeper, good for stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**TETLOW.** Small in size; a German delicacy of remarkable quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**SEVEN TOP.** A variety much grown in the south for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**LARGE YELLOW, or AMBER GLOBE.** Fine quality and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

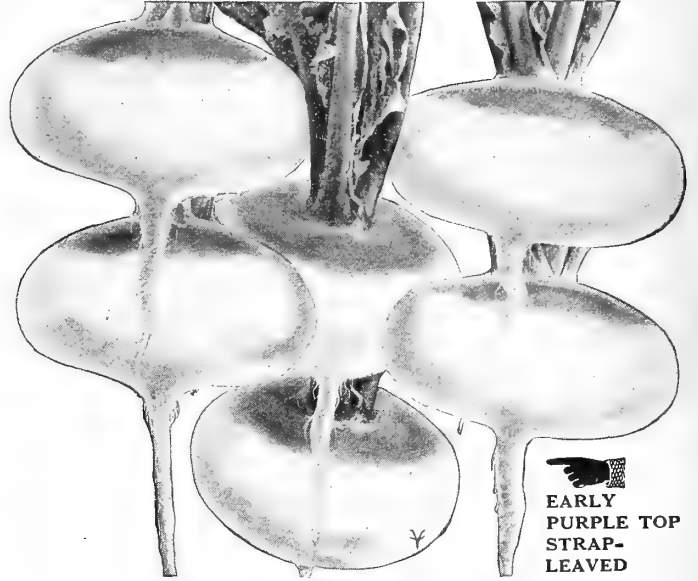
### TABLE RUTABAGAS

**VAUGHAN'S IMPROVED.** One of the best flavored of all. See description below. Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 75c.

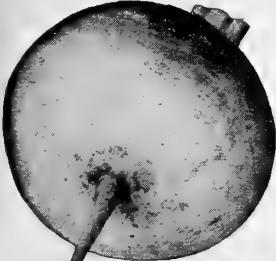
**LAING'S GARDEN RUTABAGA.** Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WHITE SWEDE.** White, solid. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

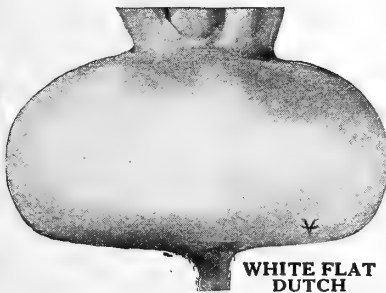
**SWEET GERMAN.** A fine table sort, white flesh, excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



EARLY  
PURPLE TOP  
STRAP-  
LEAVED



PURPLE TOP MILAN



WHITE FLAT  
DUTCH

## FOR STOCK

ASK WHEN  
ORDERING

and physical fitness of the stock, but also in their profit-making increase of weight, and in dairy animals, enriched milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

**VAUGHAN'S HALF LONG DANVERS.** Another broad-shoulder variety. Round stump rooted and a wonderful producer. Fine for stock, Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50. By express—5 lbs., \$7.00.

**IMPROVED LONG ORANGE.** Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, also good table variety. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50. By express—5 lbs., \$7.00.

**LONG ORANGE BELGIAN.** Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00. By express—5 lbs., \$4.00.



ARTICHOKES.  
HOGS GROW  
BIG AND FAT  
ON THESE

### SWEDES AND RUTABAGAS—for Stock

A profitable and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, but are somewhat coarser than those recommended above.

**VAUGHAN'S IMPROVED** is from stock of a purple top: largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**HURST'S MONARCH.** A stock crop for early feeding, oblong shape, yellow flesh, fine grain, fine flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**RHODE ISLAND ROCK.** Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**VASSAR.** This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**CARTER'S IMPERIAL.** Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**SKIRVING'S.** Large yellow. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**BREADSTONE.** Medium size, white roots. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**BANGHOLM.** Yellow flesh, purple top with small neck. Danish pedigree seed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**SUTTON'S CHAMPION.** Round, big yielder, yellow flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### LARGE FIELD TURNIPS—for Stock

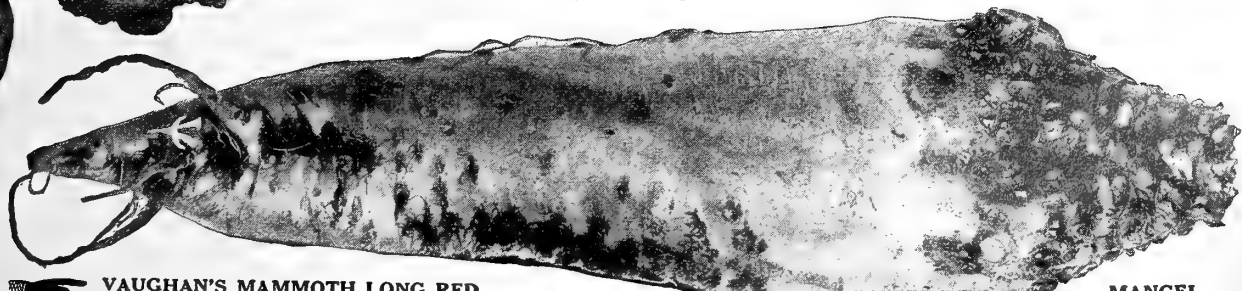
**COW HORN or LONG WHITE.** Grows nearly half way out of the ground. carrot shape, usually slightly bent; pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**WHITE EGG.** Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**POMERANIAN WHITE GLOBE.** Large, good both for table and stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**WHITE NORFOLK.** Globular, late, solid. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**YELLOW ABERDEEN.** Large globe-shaped table and stock variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



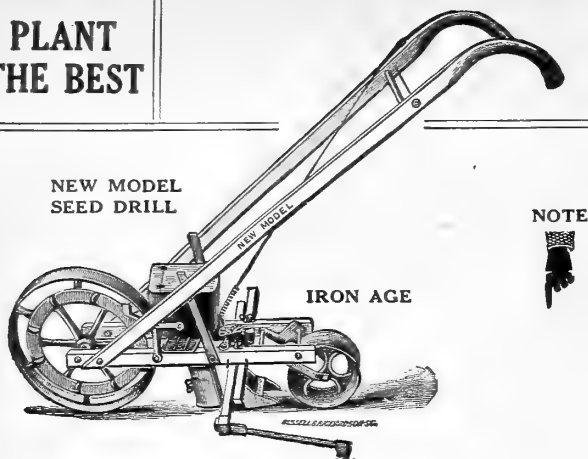
MANGEL

JERUSALEM  
ARTICHOKE

VAUGHAN'S MAMMOTH LONG RED  
Enriches the Milk of Dairy Stock

## PLANT THE BEST

NEW MODEL  
SEED DRILL



NOTE

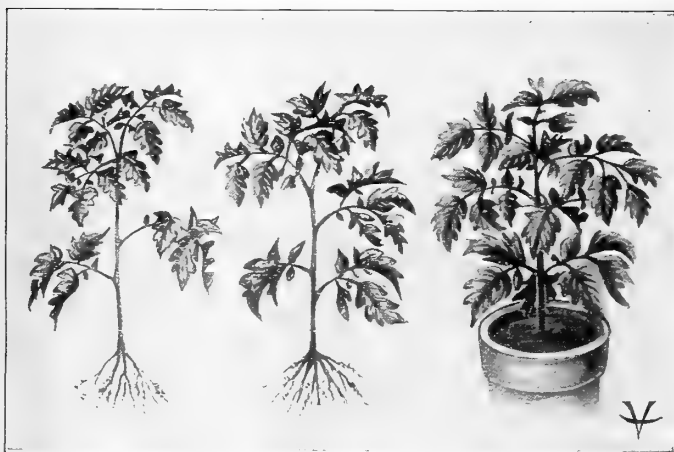
### HELPS IN THE GARDEN

In our Iron Age line we have a helpful tool for every purpose, for garden use. Iron Age tools will bring you greater success.

### VEGETABLE PLANTS

We grow these in large quantities and also contract with careful hotbed growers to guard against failures.

NOTE. We can supply only the varieties listed here.



SEEDLING

TRANSPLANT

POT PLANT

Tomato Plants Showing Size

<b>CABBAGE.</b> Ready about April 20th.	Doz.	100	
Early and Late. Transplanted Plants.....	\$0.30	\$1.75	postpaid
2-inch pots.....	.50	3.00	by express
<b>CAULIFLOWER.</b> ready about April 20th.			
Vaughan's New Snowball. Transplanted Plants	.30	1.75	postpaid
2-inch pot.....	.50	3.00	by express
<b>CELERY.</b> Ready June 15th.			
Earlies.—White Plume, Golden Self-Blanching, Giant Golden Heart. Late—Winter Queen.			
Transplanted Plants.....	.20	.75	postpaid
Transplanted Plants.....	.15	.65	by express
250 for \$1.50; 500 for \$2.50; 1000 for \$4.50 by exp.			
<b>CELERIAC.</b> Giant Prague. Same price as Celery...			
<b>EGG PLANT.</b> Ready about May 15th.			
New York Purple Improved. 2-inch pots.....	.60	4.00	by express
<b>PEPPER.</b> Ready about May 15th.			
Vaughan's Sweet Mountain, Magnum Dulce and Cayenne. Transplanted Plants.....	.30	1.75	postpaid
2-inch pots.....	.50	3.00	by express
<b>SWEET POTATOES.</b> Ready about May 20th....	.20	1.00	by express
Yellow Jersey, Red Jersey. 250 for \$1.50; 1000 for \$4.00 by express			
<b>TOMATO.</b> Ready about May 15th.			
Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone, Ponderosa and Yellow Ponderosa.			
Transplanted Plants.....	.25	1.75	postpaid
2-inch pots, 1000 for \$15.00.....	.50	3.00	by express

### RHUBARB OR PIE PLANT (Roots)

The roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

**VAUGHAN'S MAMMOTH.** By express at buyer's expense. 2 year old roots, each, 15c; per 100, \$12.00. 3 year old roots, each, 25c. Extra strong roots for forcing, 50c to 75c each.

**CHICAGO GIANT.** Very strong stalks. Good sized clumps, each, 50c.

**EARLY RASPBERRY.** Sauce made from this variety has a pink color and a distinct raspberry flavor. Small sized clumps, each, 35c.

# VAUGHAN'S

## ROOTS AND VEGETABLE PLANTS, HERBS—Sweet, Pot and Medicinal

### JERUSALEM ARTICHOKE (Roots)

A fine hog feed—more like potatoes. Hardy. Lb., 20c; 3 lbs., 50c; pk., 75c; bu., \$2.00; bbl. (2½ bu.), \$4.25. At New York, bu., \$2.50; bbl., \$5.25.

**JERUSALEM ARTICHOKE—Rose Colored.** A French novelty. Grown on our farms. Smoother and more productive than old kind. Lb., 30c; peck, 75c; bu., \$2.50; bbl. (2½ bu.), \$6.50; at New York, bu., \$3.75; bbl., \$8.00.

### HERBS

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an \* are perennials.

**Anise.** Used for garnishing, seasoning and for cordials. Pkt., 5c; oz., 10c.

**\*Balm.** Used for making Balm wine and tea. Pkt., 5c; oz., 20c.

**Basil, Sweet.** The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 15c; lb., \$1.35.

**Bene.** The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. Pkt., 5c; oz., 15c.

**Bohnenkraut.** See Summer Savory.

**Borage.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 5c; oz., 15c.

**Caraway.** Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 5c; oz., 10c.

**Catnip or Catmint.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 30c.

**Chamomile (Matricaria Chamomile).** The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. Pkt., 10c.

**\*Chives.** Used for seasoning. Seed, pkt., 10c; ½ oz., 30c; oz., 60c. See page 99 for clumps.

**Coriander.** The seeds are used for flavoring. Pkt., 5c; oz., 20c; lb., 75c.

**Dill.** Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**\*Fennel.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 10c.

**Fennel (Florence).** An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 5c; oz., 20c; ¼ lb., 50c.

**\*Henbane.** The growing plants are supposed to absorb malaria. Pkt., 5c; oz., 25c.

**\*Hop Seed.** Pkt., 15c.

**\*Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 5c; oz., 15c.

**Hyssop.** The tops and flowers are used for Hyssop tea. Pkt., 5c; oz., 20c.

**\*Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

**True Lavender (Lavandula vera).** The best. Pkt., 10c.

**Lavandula Spica.** Not quite so strong. Pkt., 5c; oz., 15c; lb., \$1.00.

**Lavender Plants.** Give much better results than seed. First size, 25c each; doz., \$2.50; 2nd size, 15c each, 3 for 40c; doz., \$1.50. By mail add 5c per plant, 20c per doz.

**Marjoram (Sweet).** The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 5c; oz., 20c.

**\*Mint.** For mint sauce and juleps. Plants 1 yr. old, 15c each; doz., \$1.50. 2 yrs. old, 20c each; doz., \$2.00. Large plants (by express), 50c each; doz., \$4.00. By mail add 5c each; 20c doz.

**Pennyroyal.** Leaves are used for seasoning puddings and various dishes. Pkt., 10c.

**Peppermint.** The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. 25 seeds, 10c; 100 seeds, 30c.

**Pimpinella (Burnet).** The young tender leaves are used as salad; they have a flavor resembling cucumbers. Pkt., 5c; oz., 15c.

**Rosemary.** The leaves are used for seasoning. Pkt., 5c; ½ oz., 25c; oz., 50c.

**\*Rue.** For medical purposes, good for fowls for the roup. Pkt., 5c; oz., 15c.

**Saffron.** Used for coloring certain dishes, also flavoring. Pkt., 5c; oz., 10c.

**Sage (Holt's Mammoth).** The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. Price, each, 15c, 3 for 40c; doz., \$1.50. By mail, add 5c each; doz., 20c.

**Sage.** Leaves and tops are used for seasoning and stuffing. Pkt., 5c; oz., 20c.

**Summer Savory.** The leaves and young shoots are used for flavoring, especially for boiled string beans. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**Tagetes Lucida.** This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 5c; ½ oz., 25c.

**\*Tarragon (Artemisia Dracunculul).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. A hardy perennial. Plants only. First size, 25c each; doz., \$2.50; 2nd size, 15c each; doz., \$1.50. By mail, add 5c ea.; doz., 20c.

**Thyme.** Used for seasoning; a tea is also made for nervous headache. Pkt., 5c; ½ oz., 15c; oz., 30c.

**Waldmeister (Asperula Odorata).** Used in May Wine and also for scenting clothes. Pkt., 10c.

**\*Wormwood.** Beneficial for poultry; should be planted in poultry yards. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



SWEET MARJORAM  
(Marjoran, Marjolain)



# FANCY GRASS SEED

**PLANT  
THE BEST**

## HIGH GRADE—RE-CLEANED Makes Best Lawns and Pastures

### MONEY SAVING ON GRASSES

In the sowing of a pasture or lawn, it will be found economical in the end to seed the best. The cost over poorer seed is at the most, only a small part of the actual investment. We say this, not to advocate high prices, because high prices and high quality, particularly in the grass seed line do not always go together. We do want, however, to call attention to and protest against the many sellers of seed who cover sham and deceit with the hypocritical cloak of low price. No one can conduct a business and continue in it without earning an adequate profit; such profits, however, should not be made by a cut in quality to compete at a slightly lesser price with better goods.

Vaughan's Seed Store offers grass seeds at a price that is just, based upon the quality offered. No better evidence of this truth is furnished than our furnishing year after year in actual growing tests, grass seeds to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our grass seeds where we know the best is produced. Our business locations—Chicago, the greatest grass seed distributing center in the world, and New York City—the greatest importing center, gives us a great advantage with regard to prices and stocks.

Our Seed Test Laboratory, where all our samples are tested for purity and germination, is under the direction of a University trained expert. We invite analysis and tests in comparison with seeds offered by other houses. We are always pleased to send samples and our own analyses and germination reports to prospective purchasers.

### FANCY KENTUCKY BLUE GRASS (*Poa Pratensis*)

Is the greatest of all pasture grasses for America; particularly on limestone soils. All live stock like it and thrive and fatten upon it. It requires time to establish itself and should be grazed on lightly for the first two years. The time of sowing depends upon locality. In some sections **Early Spring** and again in **June**; others in the **Fall** is best.

Sow 3 bushels (14 lbs. to bushel) per acre. Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured. It is pure and of high germination.

**Extra Fancy Sun-dried Seed**, twice re-cleaned; very high germination. Actual weight, 25 lbs. per bu., sold at legal weight (14 lbs. per bu.), 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 100 lbs., \$18.00. **Fancy Seed**, actual weight 21 lbs. per bu., sold at legal weight (14 lbs. per bu.) 1 lb., 25c; 10 lbs., \$1.75; 100 lbs., \$14.50.

### AGROSTIS CANINA

(Rhode Island Bent Grass)

This valuable lawn grass resembles "Red Top" in appearance but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 3 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel.) 1 lb., 60c; 10 lbs., \$5.00; 100 lbs., \$45.00.

### AGROSTIS STOLONIFERA

(Creeping Bent Grass)

The long creeping stems and spreading habit of this splendid grass make it ideal for Golf Links putting greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and develop a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bu.) Sow in Spring 50 lbs. to acre. Very short this year on account of the European embargo. Write for prices.

### ENGLISH BLUE GRASS

(*Festuca Pratense*, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. Bu., 20 lbs. 1 lb., 25c; 10 lbs., \$2.00; 100 lbs., \$16.00.

### BERMUDA GRASS (*Cynodon Dactylon*)

The grass for Southern Lawns and pastures; hard to kill, resists draught; should only be planted for permanency; won't grow in shade.

Sow in Spring 15 lbs. to acre. (30 lbs. to bushel), 1 lb. 45c; 10 lbs. \$4.00.

### BROMUS INERMIS

(Awnless Brome Grass)

Successful on acid soils, very strong, thick growth, making two big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in Spring, Vaughan's extra cleaned seed. 2 bushels per acre, (14 pounds to bushel). 1 lb., 20c; 10 lbs., \$1.75; 100 lbs., \$14.00.

### CYNOSURUS CRISTATUS

(Crested Dogtail)

In all good lawn grass mixtures, it thrives in all soils, but best in rich moist soil. Makes smooth, close, fine, sward and in England is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well as a grass for shade, all good shade lawn grass mixtures should include a proportion of this. For lawn it should be sown in Spring with other grasses, 5 lbs. to acre; (21 lbs. to bushel), 1 lb. 35c; 10 lbs. \$3.00; 100 lbs. \$26.00.



TURNING GRASS INTO MUTTON

### RED TOP GRASS—*Agrostis Vulgaris*

This grass is especially adapted to moist soils, it will root where other fine grasses would fail.

It is recognized by leading farmers and stock men as one of the most valuable grasses for pastures and meadows.

As hay, it not as nutritive as Timothy but grown for hay and then pastured, it has no equal. Sow in spring or fall with or without a nurse crop. One bushel of chaff or unhulled Red Top, or one-half bushel of fancy seed is enough to sow an acre. For lawn mixture with other grasses it is in great demand. This fine grass makes a dense and resilient turf.

**Extra Fancy** re-cleaned solid seed (32 pounds per bushel), 1 lb. 25c; 10 lbs. \$2.00; 100 lbs. \$16.00.

**Common or Unhulled** (bushel, 14 lbs.), 1 lb. 15c; 10 lbs. \$1.25; 100 lbs. \$10.00.

### ALOPECURUS PRATENSIS

(Meadow Foxtail)

A mixture for any permanent pasture should contain a sample of this grass, which is valuable for moist meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it is not sown alone.

Sow in Spring 2 to 3 lbs. per acre with other grasses. Our seed weighs (7 lbs. to bu.), 1 lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

### ANTHOXANTHUM ODORATUM

PUELLI (Sweet Vernal Grass)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel. 1 lb., 45c; 10 lbs., \$4.00; 100 lbs., \$35.00.

**Anthoxanthum Odoratum** (True Sweet Vernal). A perennial. 1 lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

### AVENA ELATIOR

(Tall Meadow Oat Grass)

An excellent meadow grass for winter grazing, and hay for Southern States and dry climates; should be sown with other grasses as it does not alone, form a compact turf.

Sow in Spring or Fall 3 bushels per acre, our seed is (13 pounds to bushel) 1 lb., 30c; 10 lbs., \$2.65; 100 lbs., \$22.50.

### POA COMPRESSA

(Canadian Blue Grass)

A hardy grass with dense creeping root stalks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel.)

Price, 1 lb., 20c; 10 lbs., \$1.50; 100 lbs., \$12.50.

### FESTUCA OVINA (Sheep's Fescue)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel.) 1 lb., 40c. Seed very scarce on account of European embargo.

### HARD FESCUE (*Festuca Duriuscula*)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow in Spring 30 lbs. to the acre; (12 pounds to bushel.) 1 lb., 40c. Seed very scarce on account of European embargo.

### FESTUCA HETEROPHYLLA

(Various-Leaved Fescue)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow in Spring 40 lbs. to the acre. (Bu., 15 lbs.) Price, 1 lb., 50c. Seed very scarce on account of European embargo.

To Golf Clubs desiring large quantities of seed we make special prices. Quality considered, we can and will meet any competition.



RED TOP



KENTUCKY BLUE GRASS

**PLANT  
THE BEST**

# VAUGHAN'S GRASSES

**GOOD PASTURES RESULT FROM GOOD SEED**



## **TIMOTHY (PHLEUM PRATENSE)**—One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. Price is reasonable. A stand is easily secured—growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of timothy is its hardiness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with timothy to replenish the soil with the nitrogen taken by the timothy. Timothy demands good, rich, rather heavy land.

### **FESTUCA RUBRA (Red or Creeping Fescue)**

An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; 14 lbs. to the bushel. Crop very short on account of European Embargo. Lb., 50c. Write for prices.

### **CHEWING'S FESCUE (New Zealand Grown)**

A good substitute for Red Fescue.  
Lb., 45c; 10 lbs., \$4.00; 100 lbs., \$35.00.

### **FESTUCA TENUIFOLA (Slender Fescue)**

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre; 22 lbs. to the bushel. Sold out. Importation prohibited by European Embargo.

### **JOHNSON GRASS (Andropogon Halepensis)**

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; 25 lbs. to the bushel. Lb., 20c; 10 lbs., \$1.25; 100 lbs., \$10.00.

### **LOLIUM ITALICUM (Italian Rye Grass)**

Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the winter. Valuable in lawn grass mixtures demanding immediate effect. Sow in spring, 60 to 70 lbs. per acre. 18 lbs. to the bushel. Price, lb., 20c; 10 lbs., \$1.25; 100 lbs., \$10.00.



**RED FESCUE**

Crop scarce  
this year.

### **LOLIUM PERENNE (English or Perennial Rye Grass)**

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in the spring, 60 to 70 lbs. per acre.

**Extra Heavy Seed**, 30 lbs. to the bushel. Lb., 20c; 10 lbs., \$1.35; 100 lbs., \$11.00.  
**Standard Weight**, 24 lbs. to the bushel. Lb., 15c; 10 lbs., \$1.10; 100 lbs., \$8.50.

### **POA TRIVALIS (Rough-Stalked Meadow Grass)**

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. 14 lbs. to the bushel.

Price lb., 50c; 10 lbs., \$4.50; 100 lbs., \$42.00.

### **POA NEMORALIS (Wood Meadow Grass)**

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. 14 lbs. to the bushel. Price, lb., 60c; 10 lbs., \$5.50; crop short on account of European Embargo.

## **Clovers and Other**

### **FANCY MEDIUM RED CLOVER**

The high price of grain will, of course, attract a great many farmers again this year and soiling crops like clover may be neglected—but farmers should certainly consider the question seriously before they ignore at least a portion of their regular seeding. We are very proud of our fancy samples of Clover this year. Purity, color and germination of the highest possible standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here represent the market on the day this book went to press. Write for latest price.

**Fancy Seed**, lb., 30c; 10 lbs., \$2.50; bu., \$13.25; 100 lbs., \$22.00;  
**Choice Grade**, for less money—Write for prices.

### **MAMMOTH RED CLOVER**

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red Clover, is hardier and not so liable to winter kill. It produces an abundance of Clover hay of the very best quality and always secures the best market prices.

Sow in the spring 8 to 10 lbs. seed per acre.

**Fancy Seed**, lb., 30c; 10 lbs., \$2.50; bu. (about 60 lbs.), \$13.25; 100 lbs., \$22.00. Grain Bags 28c each extra on Clover.

For other Clovers see page 58.



**IMPROVE YOUR LAND BY PLANTING CLOVER**

# FOR LAWN and PASTURE

**PLANT  
THE BEST**

## PASTURES THAT STOCK THRIVE ON



## VAUGHAN'S HAY AND PASTURE SPECIAL GRASS MIXTURES

We have succeeded in these **Special Mixtures** in producing a heavier, thicker and longer continued growth of grass than when only one or two kinds are sown. We use in each mixture choice re-cleaned seeds of all kinds named. There are many so-called pasture mixtures on the market made from inferior grades of uncleaned seeds. Our numbers as below represent five mixtures most in demand

and which have well pleased our customers. These mixtures mean quality with us. If you desire a lower priced mixture send us your idea of proportions and we will estimate. Don't take a poor article to save a little on price. It does not pay. Another thing, don't let any one persuade you to sow too thinly. At least 25 to 35 lbs. per acre should be used of most of these.

### MEADOW MIXTURES

#### No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET

This is composed of the following grasses and clovers, properly blended.

Fancy Red Top.	Sheep's Fescue.
Meadow Foxtail.	Perennial Rye
Tall Meadow Oat	Grass.
Grass.	Timothy.
Orchard Grass.	Red Clover.
Hard Fescue.	Alsike Clover.

Price 10 lbs., \$2.00; 35 lbs. (about enough for 1 acre), \$5.85; 100 lbs., \$16.00.

#### No. 2. ADAPTED FOR THE CONDITIONS INDICATED ABOVE

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Sheep's Fescue.
Tall Meadow Oat	Timothy.
Grass.	Rough-Stalk
Crested Dog's Tail.	Meadow Grass.
Orchard Grass.	Red Clover.
Hard Fescue.	White Clover.

Price 10 lbs., \$2.25; 35 lbs. (about enough for 1 acre), \$6.75; 100 lbs., \$19.00.

### FARM BOOKS YOU SHOULD HAVE

Alfalfa by F. D. Coburn.....	\$0.50
Farm and Garden Rule Book by Bailey: cloth, 587 pages.....	2.00
Farm Gardening and Seed Growing by Orange Judd.....	1.00
Irrigation for the Farm, Garden and Orchard by Stewart.....	1.00

Prices include postage



### MEADOW MIXTURES

#### No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET

This mixture contains suitable proportions of the grasses noted below to insure a satisfactory plant.

Tall Meadow Oat	Meadow Foxtail.
Grass.	Kentucky Blue
Red Top.	Grass.
Orchard Grass.	Timothy.
Sheep's Fescue.	Red Clover.
Hard Fescue.	White Clover.
Perennial Rye Grass.	

Price 10 lbs., \$2.15; 35 lbs. (about enough for 1 acre), \$6.50; 100 lbs., \$18.00.

#### NO. 4. ON DRY LAND

We have experimented for several years and our experience indicates that the undermentioned grasses thrive the best on dry soils.

Hard Fescue.	Timothy.
Red Clover.	Sheep's Fescue.
	Perennial Rye Grass
	Creeping Bent Grass.

White Clover.	Orchard Grass.
Kentucky Blue Grass.	Tall Meadow Oat Grass.
Price, 10 lbs., \$2.40; 35 lbs., \$7.25; 100 lbs., \$20.00.	

#### NO. 5. ON WET LAND

Our tests show that the grasses contained in this mixture have given satisfactory results on heavy soils.

Orchard Grass.	Rough-Stalk Meadow Grass.	Alsike Clover.
Timothy.	White Clover.	Meadow Fescue.
Meadow Foxtail	Kentucky Blue Grass.	Fancy Red Top.
Perennial Rye Grass.		

Price, 10 lbs., \$2.00; 35 lbs., \$5.85; 100 lbs., \$16.00.

## Leguminous Crops

### COW PEAS—Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm, sandy soil will give decided advantage. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

**NORTHERN GROWN COW PEA. Michigan Favorite.** A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.

Pk., \$1.25; bu., \$4.00. New York, pk., \$1.35; bu., \$4.50.

**SOUTHERN BLACK EYE.** Pk., \$1.25; bu., \$4.00.

**WHIP-POOR-WILL.** Pk., \$1.25; bu., \$4.00.

**NEW ERA.** Pk., \$1.25; bu., \$4.00.

All Cow Peas, 25c per quart of about 2 lbs.

Write for latest market price on quantity of any of the above. Burlap bags included.



**A FIELD OF COW PEAS**  
Plowed under, a great soil enricher; or cut, makes fine hay



**PLANT  
THE BEST**

# VAUGHAN'S ALFALFA

**NO CROP PAYS SO CONTINUOUSLY AND**

## ALFALFA OR LUCERNE

Of this most valuable of farm crops, when a stand has been secured, permanent crops are assured, this is one of its great, strong points which makes it an economic certainty. Its value for all stock, especially dairy cattle, has been an ascertained fact with agricultural authorities for years, and up-to-date farmers are fully alive to its many advantages. Note—

1. **Land** should be **well prepared**, soil ploughed deep, cultivated and freed from weeds; made like onion bed; compacted before sowing—seed should be drilled if possible, or lightly covered by harrowing.

2. **Inoculate Land** for first planting to Alfalfa, with soil from old alfalfa field or from roots of Sweet Clover, half wagon load to acre.

Nearly all soils should be given two to five tons per acre of ground limestone. Alfalfa thrives in limestone soil; or use our Nitrogen Culture. (See page opposite).

Prof. Hopkins, University of Ill., strongly favors soil inoculation.

3. **Use Northern Grown Acclimated Seed.**

4. **Season.** June first to middle of July, but successful sowing may be made in April, May and June.

## THE "GRIMM" or EVERLASTING ALFALFA

has obtained a reputation for productiveness and hardiness all through the Northwest; the seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in So. Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this—order early as the true stock is limited.

Lb., 75c; 10 lbs., \$6.95; bu., \$33.00; 100 lbs., \$55.00.

**WESTERN GROWN SEED.** This is extra fine, better than 99.5 per cent pure.

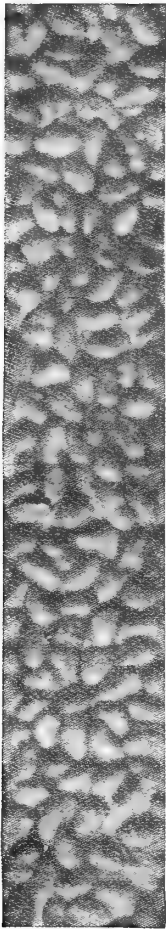
Lb., 30c; 10 lbs., \$2.00; bushel, \$11.00; 100 lbs., \$18.00.

Grain bags holding about 150 lbs., 28c each extra.

**DAKOTA GROWN DRY LAND SEED.** This is extra hardy seed and not very plentiful. In wet seasons it yields no seed crop.

Lb., 35c; 10 lbs., \$2.60; bushel, \$14.00; 100 lbs., \$23.00.

Grain bags holding about 150 lbs., 28c each extra.



ALFALFA SEED

VAUGHAN'S TESTED ALFALFA SEED IS THE BEST ASSURANCE OF A STAND.

## BOKHARA OR SWEET CLOVER—White Blossom

Sweet Clover can no longer be regarded as a weed. It has its place as a valuable farm crop along with Red Clover and Alfalfa. On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and South Dakota, no other soil-renovating plant can produce equally good results. It is the most adaptable of all legumes or nitrogen gatherers, growing on nearly all soils and withstanding the summer heat of the soil and the cold of the northern winters. Cattle and sheep and hogs soon acquire a taste for Sweet Clover and as a feed it ranks in value close to Alfalfa. It has the same bacteria on its root nodules as Alfalfa and inoculates and prepares a field for that crop. Cut early, before getting too large, it makes a good hay. Being a biennial it fits in with any crop rotation. Sow spring or fall. We offer hulled seed, scarified and of tested germination. Sweet Clover runs a certain per cent of scarified and hard seeds. Hulled seed: Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$20.00.

## ALSIKE OR HYBRID CLOVER

Thrives well on damp soils or in situations where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price this year, many farmers are giving Alsike the preference. Sow 5 to 6 lbs. per acre in spring.

Vaughan's (V) Brand, lb., 30c; 10 lbs., \$2.50; bu. (60 lbs.), \$13.25; 100 lbs., \$22.00.

## WHITE CLOVER

This variety is extremely valuable for permanent grass mixtures or those prepared for grazing land. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Crop short. Sow in spring, 3 to 4 lbs. per acre.

**Extra Fancy Seeds:** Lb., 75c; 10 lbs., \$7.00; bu. (60 lbs.), \$39.00; 100 lbs., \$60.00.

**Choice Seed,** clean but not as bright as the above: Lb., 65c; 10 lbs., \$6.00; bu. (60 lbs.), \$31.00; 100 lbs., \$50.00.

## CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. We cannot recommend it for the Northern latitudes as it is likely to winter kill. Sow in August or September, 15 lbs. per acre. Lb., 25c; 10 lbs., \$1.85; bu. (60 lbs.), \$9.90; 100 lbs., \$16.00.

Grain Bags for Clover, 28c each, extra.  
For other Clovers, see page 56.

# VAUGHAN'S TREE SEEDS

**EVERGREEN** seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; large lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Apple.....	\$0.05	\$0.10	\$0.20	\$0.60	\$5.50
Arbor Vitae, American.....	.10	.25	.85	3.25	....
Birch, White.....	.10	.15	.40	1.25	....

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Box Elder.....	\$0.05	\$0.10	\$0.15	\$0.60	\$5.50
Catalpa Speciosa.....	.10	.30	.75	2.50	....
Locust, Honey (5 lbs., \$1.75).....	.05	.10	.15	.50	3.25
Locust, Black or Yellow.....	.05	.10	.20	.60	....
Maple, Oregon Mammoth.....	.05	.15	.40	1.25	....
Mulberry, Russian.....	.10	.20	.60	2.00	....
Osage, Orange.....	.05	.15	.25	.75	....
Pear, French.....	.10	.25	.75	....	....
Pine, Scotch.....	.10	.20	.50	1.60	....
Spruce, Norway.....	.10	.20	.50	1.60	....

# OTHER LEGUME CROPS

**PLANT  
THE BEST**

## NONE MORE ABUNDANTLY THAN ALFALFA

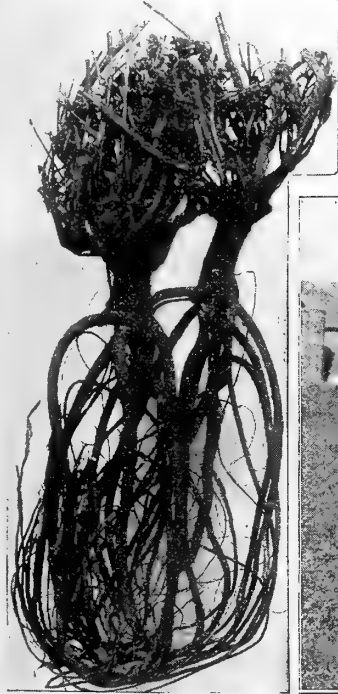
### NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

The extra hardy "Yellow Flower" Alfalfa, crossed and recrossed with an ordinary sort, has produced "Hardy Liscomb" Alfalfa. This important development has distinct points of exceptional merit; hardiness and endurance.

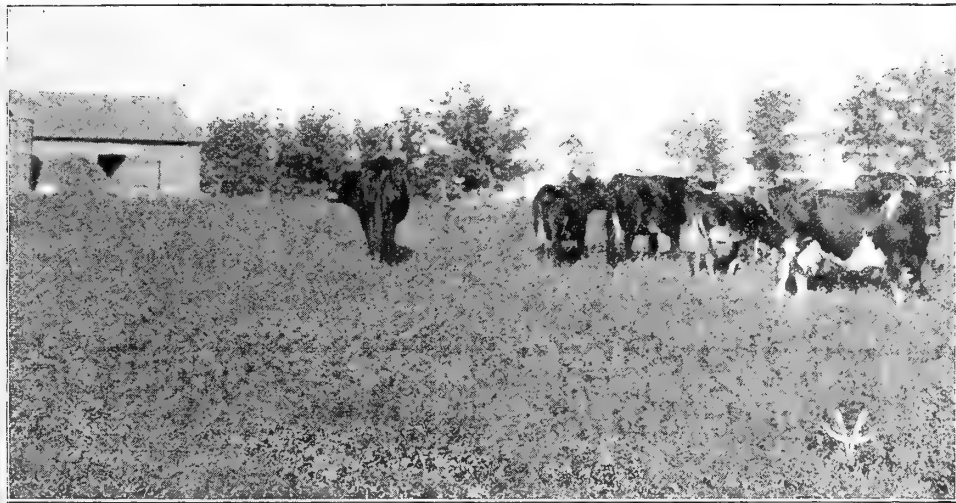
The hardiness of Liscomb as a drought resister is not equaled by any other variety, and its numerous lateral roots gives it endurance against ground heaving, from frost, in severe winters. In the severe winter climate of Montana, the parent field from which our seed comes, still continues to produce a full crop of hay and seed (without irrigation), after 35 years of unblemished endurance. No part of it has ever been killed in any winter in all those years.

This sort has variegated blossoms and a receding crown (at times 3 to 5 inches below the surface of the soil), also a branched root system in place of a single tap root.

Lb., 60c; 10 lbs., \$4.50; bu., \$24.50; 100 lbs., \$40.00.



LISCOMB ALFALFA PLANTS



VAUGHAN'S ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

### CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Present price, market fluctuates: Bu., \$5.00; 2 bu., \$9.50; 10 bu., \$45.00; bags included.

### SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

Northern Grown Ito San and Black Beauty. Scarce another year. Each variety, pk., \$1.35; bu., \$4.25. Write for latest prices on this and other varieties.

Southern Grown Soy Beans, Mammoth Yellow ½ pk., 60c; pk., \$1.00; bu., \$3.50; bags included.

### WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months, growing well that season,

### OTHER KINDS—Northern Grown Dry Land Seed

#### KANSAS DRY LAND

We also offer Kansas Dry Land—very fine samples, at—Lb., 30c; 10 lbs., \$2.00; bush., \$11.00; 100 lbs., \$18.00.

#### NEW ALFALFA, COSSACK

A variety brought to this country by Prof. Hansen of North Dakota. Said to be harder than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., \$1.50; 10 lbs., \$13.50.

"A strip of Alfalfa I have is the wonder of our villagers—a thick, heavy green. I have advised others to send to your House".

W. F. JAMIESON, Pentwater, Mich.

### ALFALFA SEED

and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bu.

Price: lb., 20c; bu. (60 lbs.), \$10.00; 100 lbs., \$16.50. Grain bags, 28c each. Write for latest prices in fall. We are headquarters on the seed.

Spring Vetch or Tares (Vicia Sativa—Oregon Vetch). Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per qt., 25c; pk., \$1.25; bu., \$4.00. Grain bags, 28c each, extra.

### NITRAGIN—Pure Culture



Alfalfa, Clovers, Cow Peas, Soya Beans, Vetches, etc., etc.

Price, Garden size can 30c; ½ acre size 50c; acre size can \$1.00; 5 acre size \$4.00.

A legume-inoculating material manufactured by the Armour Fertilizer Works, under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. Nitratin Pure Culture is sold by the acre, and is put up in round tin cans, in three sizes—garden, one acre, and five acre. Full directions for use with each can. We can offer cultures for all the different legumes, including

## Small Fruit Seeds

These germinate slowly. Sow them early.

Raspberry Seed. Large-fruited sorts, mixed. Pkt., 10c; oz., 20c, Currant Seed, White, Red or Black. Pkt., 10c; oz., 20c, Gooseberry Seed. Pkt., 10c.

### STRAWBERRY SEED.

Pkt.

Belle De Meaux..... 10c, 2 for 25c.  
Bush Alpine, White..... 10c, 1 of each, 15c.  
Bush Alpine, Red..... 10c, 1 of each, 15c.  
Hybrid Mixed..... 15c, 2 for 25c.  
La Perle..... 20c, 36 for \$5.00.

## Tobacco Seed

Any of the following in packets, each, 10c

	per oz.	¼ lb.	lb.
Comstock's Spanish. Wisconsin Favorite.....	\$0.30	\$1.00	\$3.50
Primus. Yields big crops, fine quality.....	.25	.75	2.75
Harby. Turkish; stands heat, drought.....	.25	.80	3.00
Brazilian-American. Brazilian strain.....	.25	.80	3.00
Big Havana. A hybrid Havana.....	.25	.65	2.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars.....	.30	1.00	3.50
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States.....	.25	.65	2.50
Big Oronoko. Has no equal for strips and dark wrappers.....	.25	.75	2.75

**PLANT  
THE BEST**

# VAUGHAN'S TESTED



**VAUGHAN'S SORGHUM CANE  
FOR SUMMER FODDER**

## SEED BARLEY, SELECTED, RE-CLEANED

### WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best 6 rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states, Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

**Price, peck, 65c; bu., \$2.25; 10 bu., \$21.00; bags included.**

**ODERBRUCKER BARLEY** (Wisconsin No. 55) A heavy yielding and plump six-rowed variety. Introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to the breeding of this grain. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister, average yield of five to ten bushels more per acre than other six row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin-grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

**Price, peck, 65c; bu., \$2.25; 10 bu., \$21.00; bags included.**

**MANSHURY BARLEY** This is a standard six-rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting

**Price, peck, 65c; bu., \$2.25; 10 bu., \$21.00; bags included.**

**SUCCESS OR BEARDLESS** This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock-feeding of much more value than common barley as it may be fed without danger of injury to the animals. Yields always show some bearded plants.

**Price, peck, 65c; bu., \$2.25; 10 bu., \$21.00; bags included.**

**WHITE HULLESS** This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

**Price, peck, 65c; bu., \$2.25; 10 bu., \$21.00; bags included.**

## OUR FARM SEEDS ARE CONTRACTED OR PURCHASED THEY ARE CLEANED, RE-CLEANED AND TESTED

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions; our favorable freight rates, either in carlots or less, and the best shipping service in the United States, we are in a position to serve our customers as is no other house.

### VICTORY OATS

American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm. Adapted to medium soils. **Peck, 50c; bu., \$1.50; 10 bu., \$13.50; bags included.**

**NOTE —**  
Prices include Burlap Bags. If wanted in grain bags add 28c for each 2½ bushel order.



**SAMPLES  
OF THESE  
FANCY  
OATS  
FREE TO  
PROSPECTIVE  
BUYERS**

### LINCOLN OATS

A medium heavy yielding oat of great popularity especially in the North West. We have sold this

variety for many years and it has given the very best results in Illinois, Wisconsin and Michigan. Our customers like the "Lincoln" especially because of its stiff, strong heavy straw which stands up and seldom lodges even on heavy soils. It also withstands rust better than most sorts. The oat itself has a thin hull, a heavy meat and soft nib pure white in color. In yield average with the best and on account of their handsome appearance usually command a premium of a cent or two on the market. **Peck 50c; bu., \$1.50; 10 bu., \$13.50; bags included.**

### KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most sorts. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes. **Price, peck 45c; bu., \$1.35; 10 bu. lots, \$11.50; bags included.**

### HVITLING OATS

The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of this grain. **Price, peck 50c; bu. \$ 1.50; 10 bu. \$13.50.**



# PURE FARM SEEDS

**PLANT  
THE BEST**

**FROM THE MOST RELIABLE SOURCES  
WE STRIVE TO SECURE ONLY THE BEST**

**Free Samples to Intending Purchasers.**—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully re-cleaned and were grown under our direct supervision from thoroughly reliable sources.

**Prices**—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

**Quality considered, we can meet any competition.**

## VAUGHAN'S "NORTHWEST SWEDISH SELECT" OATS

### Northwest Grown Seed

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils, Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

**Price, peck, 40c; bu., \$1.25; 10 bu., \$11.50; bags included.**

## BLACK TARTARIAN OATS

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian grown seed.

**Price, peck, 60c; bu., \$1.85; 10 bu., \$17.50; bags included.**

## AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

**Price, 1 oz., 15c; ¼ lb., 35c; lb., \$1.00.**

## BROOM CORN

Illinois Grown, Far superior to South-Western

**IMPROVED EVERGREEN** The most popular variety in the Western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

**Price, lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 50 lbs., \$10.50; 100 lbs., \$20.00.**

**OKLAHOMA DWARF** An extra early sort. Ht. 5 ft. **Price, 5 lbs., \$1.15; 50 lbs., \$9.50; 100 lbs., \$18.00.**

## BIRD SEED

**Vaughan's Re-cleaned of Highest Quality**

**VAUGHAN'S MIXED CANARY SEED.** Lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00.

**BLUE MAW (Poppy).** Per lb., 55c; 5 lbs., \$2.25.

**CANARY SEED.** Lb., 15c; 5 lbs., 50c; 10 lbs., 90c.

**CUTTLEFISH BONE.** Per lb., 60c.

**HEMP.** Per lb., 12c; 5 lbs., 50c; 10 lbs., 85c.

**LETTUCE FOR BIRDS.** Per ¼ lb., 10c; lb., 25c, 5 lbs., \$1.00.

**MILLET, Fancp Recleaned.** Per lb., 8c; 10 lbs., 50c.

**BIRD RAPE. (Not Dwarf Essex).** Per lb., 12c; 5 lbs., 60c; 10 lbs., \$1.00.

**SUNFLOWER SEED, extra clean for birds.** Lb., 12c; 5 lbs., 45c; 10 lbs., 75c.

## CHUFAS, or EARTH ALMONDS

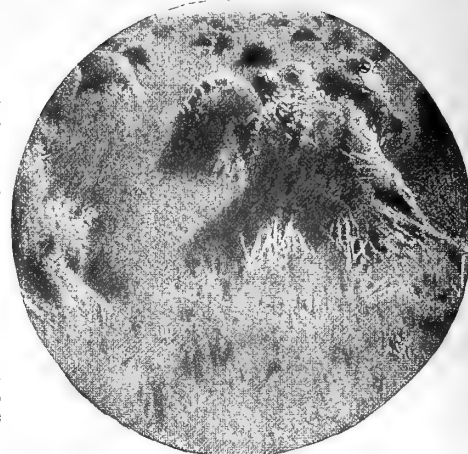
Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

**Pkt. 10c; lb. 20c; 10 lbs. \$1.60; 100 lbs. \$13.50.**

## FLAX SEED

**Primost Variety, fancy re-cleaned Dakota seed.**

**Price, peck \$1.25; bu. \$4.50; bags free.**



**VAUGHAN'S SEEDS FOR ALL ENSILAGE  
ARE THE BEST**

## BUCKWHEAT

**Market price changes. Write for quantity prices.**

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good soil fertilizer and improver. Sow 25 lbs. per acre.

**JAPANESE** Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. **Price, peck, 65c; bu., \$2.25; 3 bu., \$6.50; bags included.**

**SILVER HULL** A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed. **Price, peck, 65c; bu. \$2.25; 3 bu., \$6.50, bags included.**

## CANE, EARLY AMBER

Our customers are constantly increasing their sowings of this cheap and exceedingly useful summer fodder for all stock and especially milch cows. Every farmer, small or large, should make sowings of it.

Sugar cane is the best food that can be grown for feeding cows, horses and young stock during the dry part of summer. Southern seed for fodder. **Lb., 10c; 10 lbs., 65c; 100 lbs., \$4.75. Northern grown, lb., 15c; 10 lbs., 85c; 100 lbs., \$6.25.**

**JERUSALEM ARTICHOKE.** One of the best hog foods for early spring, roots perfectly hardy, multiply rapidly, tubers sold by many grocery stores. Every amateur should plant some including our new imported French Rose Colored, the smoothest, most attractive and best selling—see page 54.

## DWARF ESSEX RAPE

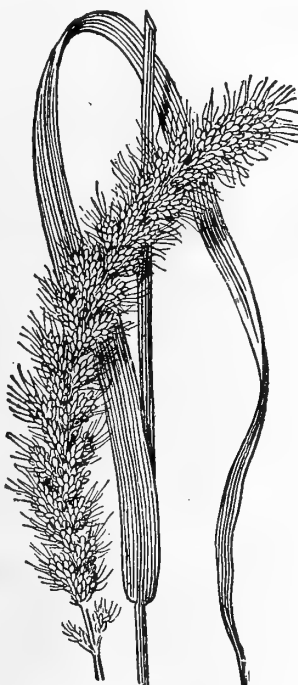
This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean; sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast; use 5 lbs. and if in drills 2 lbs. to the acre.

**Genuine English Grown; lb., 20c; 5 lbs., 75c; 50 lbs., \$5.25; 100 lbs., \$10.00.**

**GERMAN or GOLDEN** Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger-yielding forage plant. Seed is valuable for poultry. (Bu. 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices for quantities. **German, choice seed, bu., \$2.25; 100 lbs., \$4.00, bags included.**

**HUNGARIAN MILLET** Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices. Crop short. **Bu., \$3.25; 100 lbs., \$6.00; bags included.**

**JAPANESE AND PEARL MILLET—Page 63.**



**GERMAN MILLET**



**MILLET**

**DWARF ESSEX RAPE**

**PLANT  
THE BEST**

# VAUGHAN'S TESTED

## WHEATS—Spring

**FANCY NORTHERN SEED.** Subject to market fluctuations. 2 bu. grain bags, 28c each. Sow 1½ bu. to acre. Write for latest QUANTITY prices.

### MARQUIS SPRING WHEAT

In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades number one almost every minute. It has won the first prize for the best American wheat at all the International Shows the past three years. True stock, fancy Canadian grown. Wheat price changeable.

Price, peck, 80c; bu., \$3.00; 2 bu., \$5.85; 5 bu., \$14.50.

### SPRING EMMER—Incorrectly called "SPELTZ"

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow 1½ bu. to acre.

Price, lb., 10c; 3 lbs., 25c; bu., (40 lbs.), \$1.35; 5 bu., \$6.25; bags included.

OUR SEED

## CORN

Both Early and  
Late Varieties—  
DENTS AND FLINTS

Are Grown to Suit  
Every Locality



## PLANT CORN SUITED TO YOUR

**SASKATCHEWAN FIFE.** A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.

Price, peck, 85c; bu., \$3.00. Write for latest prices.

**BLUE STEM PEDIGREED.** A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.

Price, peck, 85c; bu., \$3.00. Write for latest prices.

**MACARONI OR DURUM.** We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.

Price, peck, 85c; bu., \$3.00. Write for latest prices.

### SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about 1½ bu. per acre. Crop is very short.

Price, peck, 75c; bu., \$2.50, bags included.

## VAUGHAN'S NITROGEN

**NEW VELVET BEAN.** A very heavy yielding legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop. Sow about 1 bu. per acre, in drills.

Price, 3 oz. pkt., 10c; ½ lb., 20c; lb., 30c; pk., 85c; bu., \$3.00, bags included.

**GIANT BEGGAR WEED.** (Florida Forage Plant.) An upright growing legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.

Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$3.00; 10 lbs., \$5.00.

**VAUGHAN'S NORTHERN SEED POTATOES.** For 30 years we have made a specialty of North Michigan, North Wisconsin and North Dakota seed Potatoes, supplying our own stock seed and delivering selected Potatoes to Central States, South and South West, with greatest satisfaction. Scabby, rough and small ones are thrown out. Heated Refrigerators, good storage, and experienced handlers make your Potato orders left with us in best hands. See pages 44 and 45.

## VAUGHAN'S SEED LATE DENT

The 1916 crop has turned out a great deal shorter than estimated. The shortage was really caused by the extreme hot weather the past summer—burning the pollen, thus preventing perfect pollination and resulting in small ears and shortage of kernels. In some places, particularly Michigan and Wisconsin, the early frosts did much damage. Good Seed Corn is short everywhere this year on account of the small percent of good seed ears. Prices for seed corn on account of the high price for corn and because of the scarcity of good seed ears (all poor corn must be rejected) must necessarily be high. We look for a market about as high as we had after last year's wet season. Fancy crate corn is very scarce. In Michigan, where early frosts did particularly heavy damage, seed corn is a practical failure.

### REID'S YELLOW DENT (Standard Type) Pedigreed Seed

For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska—this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this or the next page for Wisconsin, Michigan or similar latitudes. The great prize-winning Show Corn brought to Illinois in 1846, from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Matures

in about 115 days in Central Illinois. Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selections for years. It won first prizes at Springfield State Fair and National Corn Show.

Price (Central Illinois grown) Shelled, qt., 20c; ½ pk., 60c; pk., \$1.00; bu., \$3.50; 4 bu., \$13.50; 10 bu. lots, \$30.00. Selected Ears, bu. crate, \$4.50; three bu. for \$12.75.

### REID'S YELLOW DENT, Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of Reid's differs from the standard type only in running slightly smaller

and with larger cobs. Can be used in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

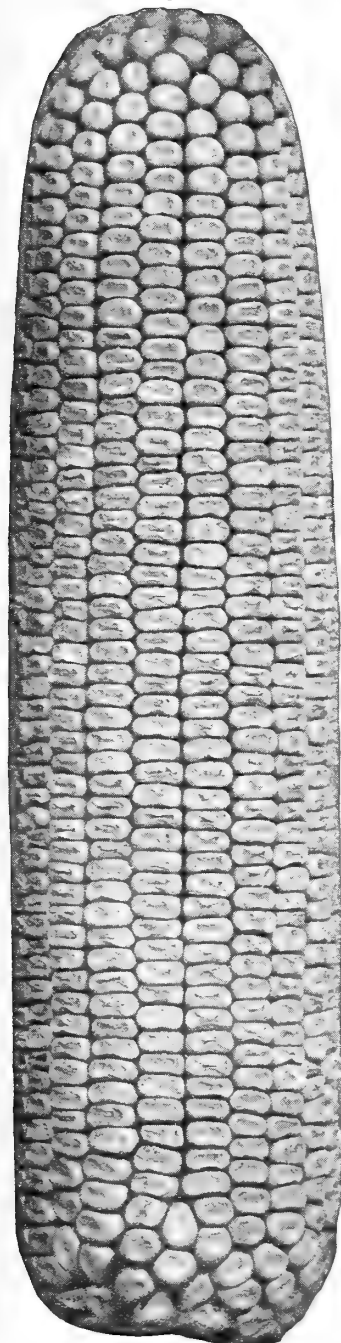
Shelled, qt., 20c; ½ pk. for 75c; pk., \$1.25; bu., \$4.00. Selected Ears, bu. crate, \$4.50.

### BOONE COUNTY WHITE

The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white

show corn—having won more prizes than any other white corn. It also holds most of the high yields per acre records. Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Price, Selected Ears, bu. crate, \$4.50; Shelled, qt., 20c; ½ pk., 60c; pk., \$1.00; bu., \$3.50; 4 bu. lots, \$13.50.



REID'S YELLOW DENT

# PURE FARM SEEDS

**PLANT  
THE BEST**

## LOCALITY—WE HAVE IT

### SUDAN GRASS

A new forage plant closely related to the cultivated sorghums; of value particularly in the dry Middle West sections as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Sow in rows and cultivate like Corn. Rows 18 to 24 inches apart require 4 to 6 lbs. per acre. Crops very short.

Price, lb., 50c; 10 lbs., \$4.50; 100 lbs., \$40.00.

### PEARL OR CAT-TAIL MILLET

No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.

Price, ¼ lb., 10c; lb., 25c; 10 lbs., \$1.75; 100 lbs., \$15.00. Bags free.

## GATHERING PLANTS

**LENTILS.** A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. to acre. Lb., 30c; 10 lbs., \$2.50.

**LUPINS, YELLOW.** Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre.

Ask for Prices. Short on account of French embargo.

**SAINFOIN or ESPARSETTE.** An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.

Price, lb., 25c; 10 lbs., \$1.50; 50 lbs., \$6.50; 100 lbs., \$12.00.

Note.—Our Standard Nitrogen-gathering or Leguminous Crops will be found on pages 56, 57, 58 and 59. A most complete list of Clovers, Alfalfa, Vetch, Field Peas, Cow Peas and Soja Beans. Special varieties adapted to all conditions.

## CORN VARIETIES

## SUCCESSES

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for short or medium season are raised for us in Northern Sections. Main crop sorts we grow where they reach their full maturity and development. Our growers are experienced in raising and curing Seed Corn. We plainly state where each corn has been grown, for corn produces best when planted under similar climatic and soil conditions to which it was originally raised.

As this catalogue goes to press, January 20th, we can offer prices as below, while stock remains unsold. Write us March 1st, if you have not covered your needs then, for our latest CORN PRICE LIST.

### LEAMING IMPROVED

See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge

shaped; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy so that it is one of the best fodder varieties.

Shelled, selected, tipped and butted, price, qt., 15c; pk., 75c; bu., \$2.50; 4 bu. lots, \$9.00.

### IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7½ inches, kernels rough and deep, a little space

between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. Qt., 15c; pk., 75c; bu., \$2.50; 4 bu., \$9.00.

### GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as

carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this variety.

Shelled, selected, tipped and butted, qt., 15c; pk., 75c; bu., \$2.50; 4 bu., \$9.00.

### HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed.

Shelled, qt., 15c; pk., 75c; bu., \$2.50; 4 bu., \$9.00.

Our Seed Testing Laboratory is under the supervision of an expert University graduate who, with assistants in the department, makes 40,000 tests per year. We test all our farm seeds for purity and germination. Our vegetable and flower seeds are tested for germination and later trials are made in our trial grounds, and inspection trips taken to the

various parts of the United States where the crops are growing to produce our seed for next year. We want the best. We are always glad to give all the information we can regarding the seed we sell. Write us. We like suggestions, too, for improvement.

**JAPANESE MILLET** Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs. per acre; but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.

Price, lb., 15c; 10 lbs., 60c; 50 lbs., \$2.25; 100 lbs., \$4.00.

**SUNFLOWER MAM. RUSSIAN.** Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed. Sow about 8 lbs. to acre.

Price, oz., 5c; lb., 12c; 10 lbs., 75c; 100 lbs., \$6.00.

**TEOSINTE.** A valuable continuous cutting forage plant for Southern and Southwestern states. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre.

Price, pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**PEANUTS. Spanish**—Earliest variety but solid and well filled. Sow in rows 3 feet apart, 8 to 10 inches in the row. Mammoth Virginia, later than Spanish—with large pod and kernels.

Price, either, pkt., 10c; lb., 20c; 5 lbs., 75c; 10 lbs., \$1.35.

**JUMBO or New Orleans Special,** the giant variety. Pkt., 10c; ½ lb., 25c; lb., 45c; 10 lbs., \$3.50.

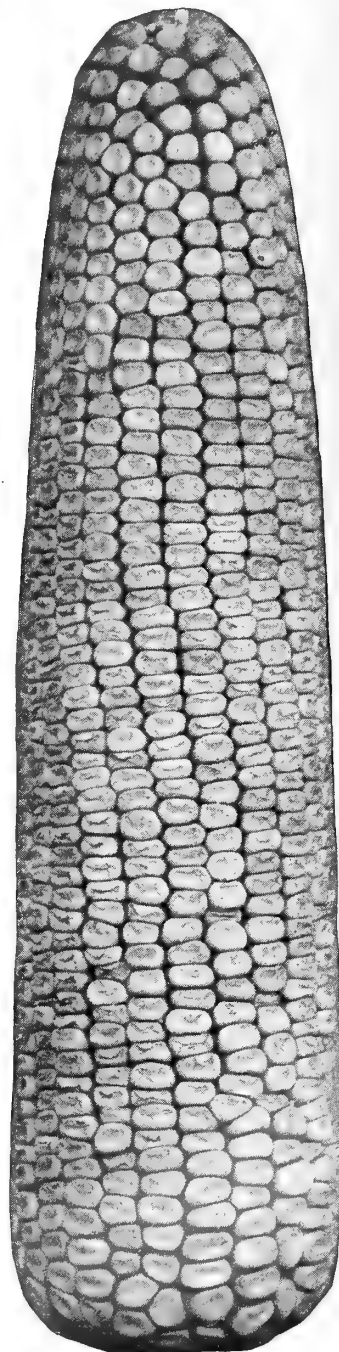
### OUR SEED

## CORN

Both Early and  
Late Varieties—  
DENTS AND FLINTS



Are Grown to Suit  
Every Locality



LEAMING IMPROVED

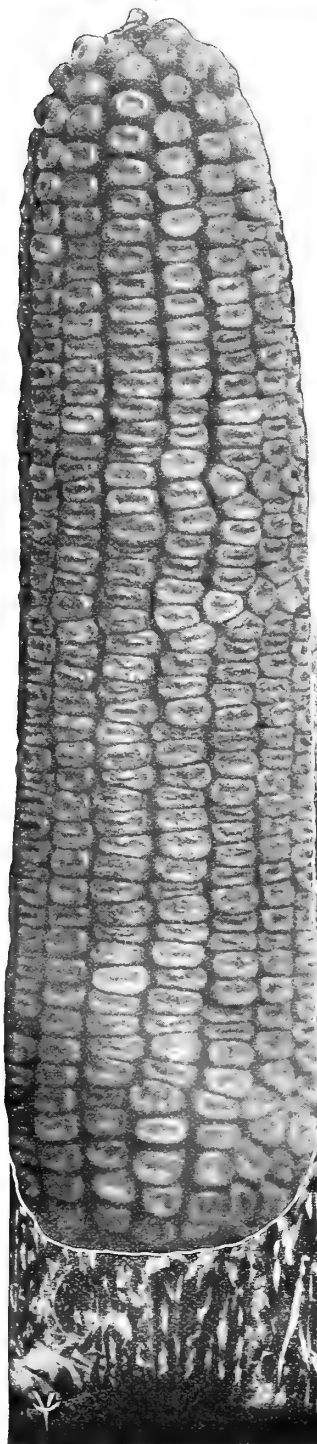


**PLANT  
THE BEST**

# VAUGHAN'S TESTED



Field of Early Corn on the Vaughan Farm near Homewood, Ill.



## MADISON YELLOW DENT



ONE OF OUR CORN  
SUCCESSSES

selected ears,  $\frac{1}{2}$  pk., 75c; pk., \$1.25; bu., \$4.00. A few crates of  
selected ears at \$4.50 per bushel crate.

## OUR FARMS IN NORTHERN ILLINOIS AND CENTRAL MICHIGAN

It is now generally recognized by the leading agricultural specialists of  
the country that local seed corn or seed corn raised in an equivalent  
climate is the best to plant for any given locality, and that when local



corn is not obtainable it is safe to plant  
only such seed as has been raised farther  
north, thus insuring maturity before frost.  
Our own farms in Central Michigan and  
Northern Illinois give us an immense  
advantage over other seed houses.  
Without such growing facilities, especially  
as regards the earlier Dent sorts. Many  
of this class we raise ourselves, and we  
keep practically informed through trials at  
these farms just what improvements and  
selections are being made in the different  
parts of the country. Our corns are field  
sorted, put in crates, hand sorted, then  
hung on hangers, and in off seasons  
artificially dried. Varieties we do not raise  
ourselves are produced by the most expe-  
rienced and reliable growers we can find in  
the respective sections in which the  
different varieties and types do their best.

## DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in  
North Dakota; matures in better than 90  
days; ears 7 inches long; kernels quite  
hard; good for late planting in central  
locations. The yield may be increased by  
planting closer than is customary with  
Standard Dent sorts. **Price, shelled,  $\frac{1}{2}$   
pk., 75c; pk., \$1.25; bu., \$4.00.**

## GOLDEN SURPRISE

It is eminently well suited to be grown  
in localities south of a line from Cleve-  
land, Ohio, to Peoria, Illinois. This sort  
is remarkable for its small cob and high  
shelling quality. Our seed is grown in  
central Ohio. **Price, shelled,  $\frac{1}{2}$  pk.,  
50c; pk., 85c; bu., \$3.00.**



**PLANT CORN TO SUIT YOUR**

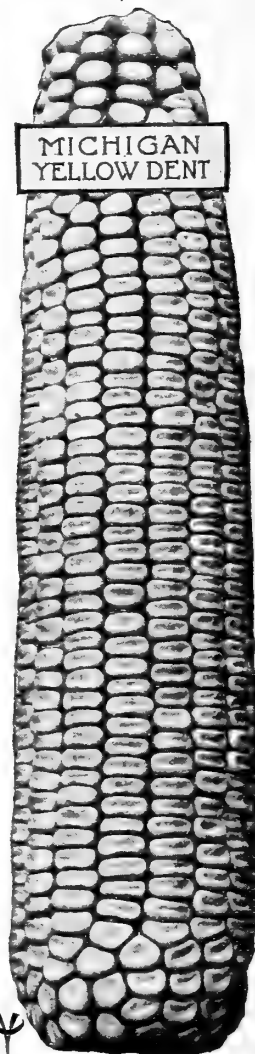
**OUR SEED CORNS, EARLY AND LATE DENTS  
AND ARE GROWN IN THE**

## MADISON YELLOW DENT

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and  
Michigan, this, we believe to be the best corn ever introduced. It  
matures in 100 to 106 days of ordinary corn growing weather, and  
is a magnificent yielder. The ears are a little smaller than Reid's  
Yellow Dent, but resemble that sort otherwise; they are  $8\frac{1}{2}$  inches  
long, and have 16 rows of deep set kernels arranged close together in  
even rows, but with space enough to permit perfect drying; a very  
essential point in northern corn. Our strain is grown on the Vaughan  
farms in Central Michigan and Northern Illinois, and by contract  
with expert growers in the same localities under our direct supervision.  
This variety is very short with us this year. **Price, shelled from  
selected ears,  $\frac{1}{2}$  pk., 75c; pk., \$1.25; bu., \$4.25.** When we  
are sold out we recommend the Michigan Yellow Dent as a substitute.

## MICHIGAN YELLOW DENT

A Central Michigan bred variety, in general characteristics quite  
similar to our Madison Yellow Dent, though it does not run as  
uniform in type. In season it is a 100 day corn in Michigan, slightly  
earlier than Madison Yellow Dent. The ears are red cobbled, 16  
rowed, with deep rather rough kernels. On account of our extreme  
shortage on Madison Yellow Dent we are offering this as the nearest  
substitute. Central Michigan grown seed. **Price, shelled from**



# PURE FARM SEEDS

**PLANT  
THE BEST**

**LOCALITY --- WE HAVE IT** 

**AND FLINTS, ARE THE BEST BRED TYPES,  
DIFFERENT CORN SECTIONS**

## PROFITABLE CORN GROWING

In applying business principles to Farming and Corn Growing in particular, it is well to ask, "where are the profits?" Land is worth so many dollars per acre per year, the time and labor spent in preparing the land, and later cultivating, is an additional investment—and seed, the least item of expense of all—and the one item on which profits depend—some short sighted farmers seek to economize. Poor seed corn often means low germination and at the start the farmer handicaps himself with 10% to 25%, more than a business profit of a maximum stand. Poor seed corn means a poorly bred variety with non-fertile stalks; small, poor yielding corn means corn with a large cob which shells out very little of the marketable product; sometimes it means corn which does not ripen; leaves the farmer at the end of the season with a worthless lot of soft, flabby ears. — Wherever you get your seed corn, know what you are buying; know that it grows; know that it is a profitable variety for your conditions and locality; make sure you have a chance for a profitable crop.

### MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with

16 rows of kernels and taper to tip; the kernels show a good Dent type and are of fair depth. Although not yet as well bred as Madison Dent, it is about 10 days earlier. Our seed is Minnesota grown and shelled from selected ears.  $\frac{1}{2}$  pk., 60c; pk., \$1.10; bu., \$3.75. We also offer Nebraska grown seed of this variety which runs a few days later in season—shelled.  $\frac{1}{2}$  pk., 50c; pk., 85c; bu., \$2.75; 4 bu., \$10.00. A few crates of selected ears at \$3.50 per bu. crate.

### SILVER KING—or Wisconsin No. 7

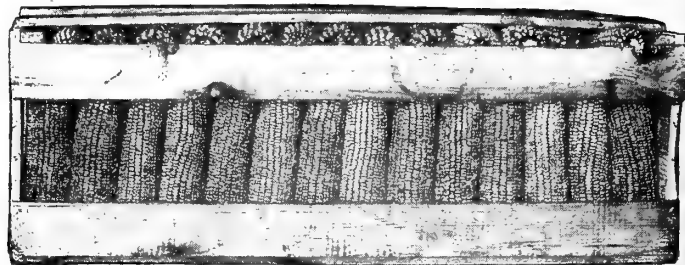
This corn introduced 5 years ago by Prof. Moore, of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our seed is Wisconsin grown. Price, shelled from selected ears,  $\frac{1}{2}$  pk., 75c; pk., \$1.25; bu., \$4.25. On the ear, per bu. crate, \$4.75; 2 or more, \$4.50 each.

### GOLDEN GLOW—Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. Wisconsin grown. Price, shelled from selected ears,  $\frac{1}{2}$  pk., 75c; pk., \$1.25; bu., \$4.00. On the ear, \$4.50 per bu. crate.

### PRIDE OF THE NORTH

This is the most extensively planted Yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it even in type, and earlier in season than much of the southern "Pride." The type varies, but usually has 16 rows of kernels on a cob, with tapering tip. Our seed is from selected ears. Price, shelled and graded,  $\frac{1}{2}$  pk., 50c; pk., 85c; bu., \$2.75; 4 bu., \$10.00.



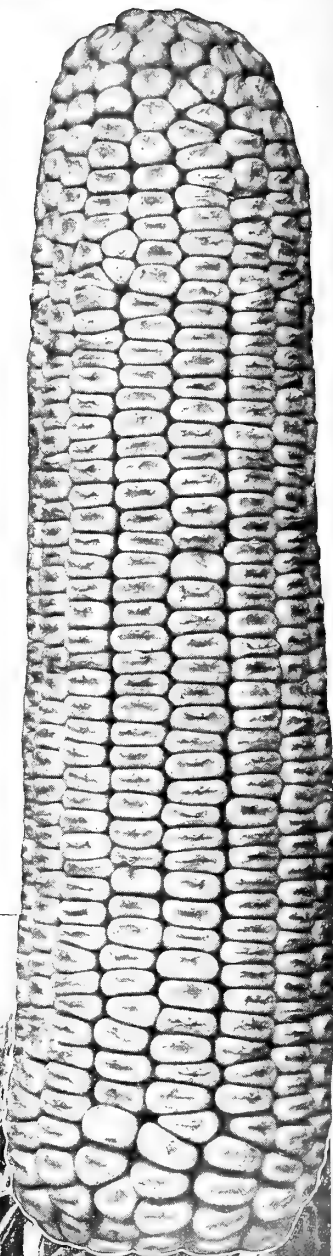
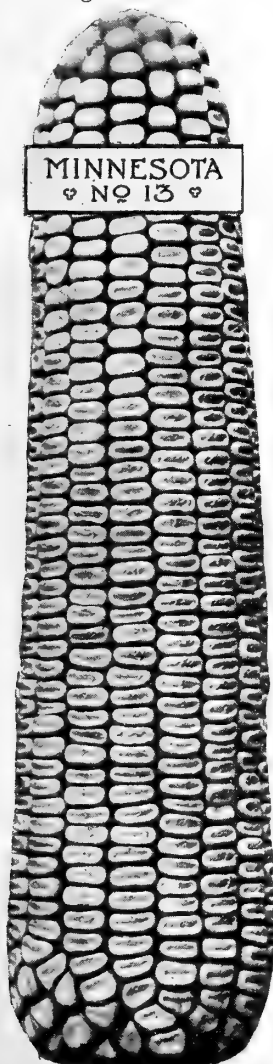
A Crate of Vaughan's Selected Ear Corn

## SILVER KING or WISCONSIN No. 7



SEE DESCRIPTION  
BELOW

The best Commercial Fertilizer for all farm crops is Vaughan's 3-8-1. See page 149.



**PLANT  
THE BEST**

# Flint, Fodder and Pop Corn

**PLANT  
THE BEST**

## EXTRA EARLY FLINT

**LONGFELLOW FLINT.** A beautiful cob of rich, glossy yellow, and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet, and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. **Qt. 20c; ½ peck 50c; peck 85c; bu. \$2.75; 4 bu. \$10.00.**

**GIANT LONG FLINT.** A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. **Qt. 20c; ½ peck 50c; peck 85c; bu. \$2.75; 4 bu. \$10.00.**

**KING PHILLIP** This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns.** **Price shelled, qt., 20c; ½ peck, 50c; peck, 85c; bu., \$2.75; 4 bu., \$10.00.**

## POP CORN Selected Ears For Seed

**BLACK BEAUTY (New).** An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. Extremely early, ripening so it may be popped the same as grown, without kiln drying. **Pkt. 10c, lb. 20c, 5 lbs. 75c, 25 lbs. \$2.65, 100 lbs. \$10.00.**

## JAPANESE DWARF RICE

Very tender and almost hullless, Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. **Pkt. 10c; lb. 30c; 25 lbs., \$5.50.**

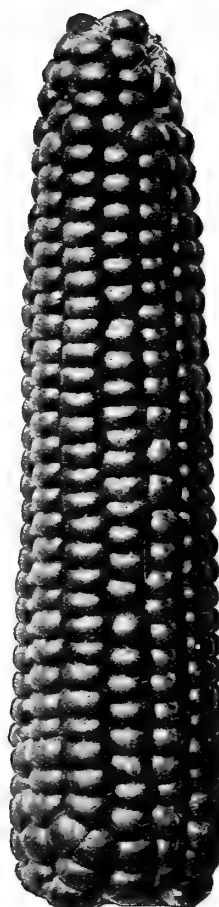
**Price of any of the following kinds of Pop Corn, Pkt 5c, lb 15c, 5 lbs 45c, 10 lbs 80c, 25 lbs. \$1.75, 100 lbs. \$6.00.**

**ILLINOIS SNOWBALL** An improved variety, very prolific; a fine sort for home use.

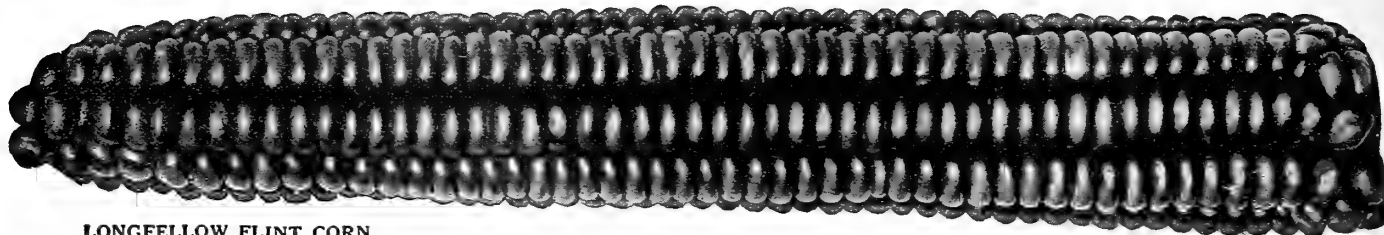
**WHITE RICE** Most popular, grain pointed, pops white, and full.

**MAPLEDALE PROLIFIC** A great yielder. It pops pure white.

**QUEEN'S GOLDEN** It pops perfectly white and a single kernel will expand nearly one inch.



**BLACK BEAUTY  
Pop Corn**



**LONGFELLOW FLINT CORN**

## SORGHUMS, KAFFIR, MILO, CANE

### Vaughan's Early Amber Cane Seed

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than \$1.00 invested for seed. Sow 60 pounds to the acre.

**Northern Seed, pkt. 5c; lb. 15c; 10 lbs. 65c; 50 lbs. \$3.25; 100 lbs. \$6.25. Southern Seed (for fodder) 10 lbs. 65c; 50 lbs. \$2.50; 100 lbs. \$4.75; bags included.**

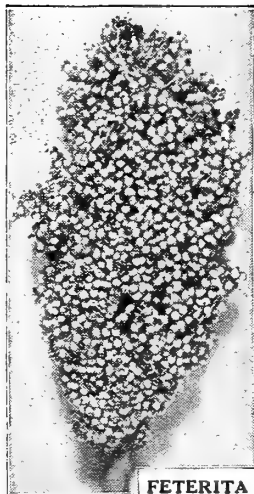
**FETERITA** Earliest of the drought resisting sorghums. A recent introduction. Out-yielded all other sorghums during the past dry summer in Kansas. Worthy of a trial in Northern sections. **Price, lb. 10c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00, bags included.**

**JERUSALEM CORN** The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs per acre. **Pkt 5c; lb. 12c; 10 lbs. 85c; 50 lbs. \$3.50; 100 lbs. \$6.50, bags included.**

**KAFFIR CORN** One of the very best forage plants. Preferred by some to Cane for stock feeding. Grows four to five feet high. For fodder sow 3 pecks per acre broad-cast. **Pkt. 5c; lb. 10c; 3 lbs 25c. 10 lbs. 60c; 50 lbs. \$2.25; 100 lbs. \$4.00, bags included.**

**MILO MAIZE** Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would fail. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs per acre. **1 lb. 10c; 3 lbs. 25c, 10 lbs. 65c, 50 lbs. \$2.50; 100 lbs. \$4.50, bags included.**

**NEW FORAGE PLANT, Sudan Grass.** (See page 63). **Price, lb. 50c; 10 lbs. \$4.00; 100 lbs. \$35.00.**



**FETERITA**



**FIELD OF EARLY AMBER CANE IN MICHIGAN.**

## VARIETIES

Add 20c per bu. to these prices if ordered from New York Pints quoted are about 16 oz.

**WILL'S JEHU.** Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet and the ears, which are 8 inches long, grow close to the ground. Dakota seed. **Qt. 25c; ½ peck 60c; peck \$1.00; bu. \$3.50.**

**RHODE ISLAND WHITE CAP FLINT** This is the White Flint variety used in New England for hominy and hulled corn. For table quality, flavor and sweetness, it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder. **Price shelled, ½ peck 60c, peck \$1.00; bu. \$3.50. Pkt. 10c; pint, 15c, qt. (about 2 lbs.) 25c.**

**SMUT NOSE FLINT** The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. **Price shelled, ½ peck 50c, peck 85c, bu. \$2.75. Large pkt. 10c, pint 12c, qt. (about 2 lbs.) 20c.**

**GOLDEN DEW DROP** A handsome bright yellow, eight rowed flint. Remarkable yielder with few suckers. Ears 9 inches, stalks grow 5½ ft. 90 days to maturity. **Price shelled, ½ peck 50c, peck 85c, bu. \$2.75. Large pkt. 10c, pint 12c, qt. (about 2 lbs.) 20c, 4 bu. \$10.00.**

## FODDER CORN Bags 22c each on bu. lots

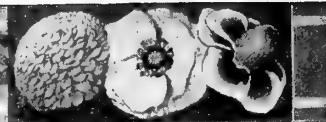
The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the Central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

**"RED COB" ENSILAGE or FODDER** This selection has great reputation. Has a deep red cob, strong leafy stalks and short joints. Adapted to all sections. **Peck 60c, bu. \$2.00; 5 bu. \$9.50.**

**VIRGINIA MAMMOTH WHITE HORSE TOOTH** Small stalks, vast quantity foliage, short joints, kernels large and white. **Peck 60c, bu. \$2.10, 5 bu. \$10.00.**

**SWEET FODDER** A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Peck \$2.15, bu. \$8.00, 2 bu. \$15.00.**





## GENERAL LIST OF ANNUAL FLOWERS

The following pages contain our list of **Annual Flower Seeds**. Perennial flower seeds will be found on pages 95 to 113, inclusive, combined with the perennial plants, which arrangement will facilitate the ordering of either or both.

The **FOLLOWING SIGNS** have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

- ⊙ **Annuals.** These attain full growth from seed, flower and die first year.
- ⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.
- △ **Greenhouse Plants.** Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.
- △ **Stove Plants.** To be grown inside all the year round for pots only.
- § **Climbing Plants**

- 55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** Pkt. ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry poor soil and sunny situations on rockwork. . . . . 1/4 oz. 15c 05
- 58 **ABRUS Precatorius** △ § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing. . . . . 05
- 62 **ABUTILON, Royal Prize (Flowering Maple)** △ 3 to 4 ft. The elegant drooping bell-shaped flowers are beautifully veined and striped. . . . . 10
- 70 **ACACIA, Mixed** △ 6 ft. Fine winter and spring-flowering plants, graceful flowers and foliage. 1 oz. 20c 05
- 92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. 1/4-oz. 15c 05
- 93 **Roseum Flore Albo.** Graceful white daisy-like flowers with yellow center. 1/4-oz. 15c 05
- 94 **Roseum Flore Pleno.** Double pink . . . . . 10
- 95 **Roseum Flore Albo Pleno.** Double white . . . . . 10
- 108 **ADONIS Aestivalis (Flos Adonis)** ⊙ 1 ft. Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers. . . . . 1/4 oz. 10c 05
- 109 **Autumnalis.** Red . . . . . 1/4 oz. 15c 10
- 110 **AGAPANTHUS Umbellatus (Blue Lily of the Nile)** △ 1 ft. . . . . 1/4-oz. 25c 10

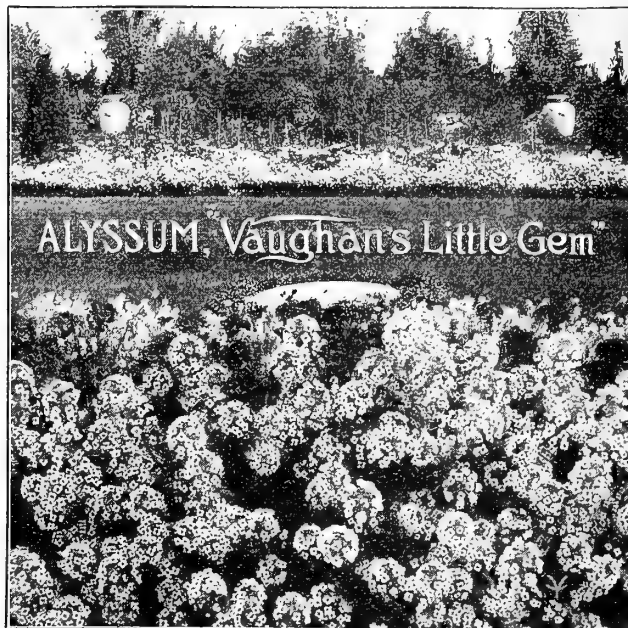
### Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

- 111 **Mexicanum Coeruleum** 18 in. Beautiful soft lavender-blue, of free branching habit. . . . . 1/4 oz. 10c 05
- 112 **Album.** White. . . . . 1/4 oz. 10c 05
- 113 **Mixed** . . . . . 1/4 oz. 10c 05
- 114 **Nanum, Blue Perfection** 9 in. The darkest Ageratum grown from seed. . . . . 1/4 oz. 25c 10
- 115 **Nanum Luteum.** 9 in. Dwarf yellow . . . . . 05
- 116 **Imperial Dwarf Blue.** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color . . . . . 1/8 oz. 15c 05
- 117 **Imperial Dwarf White.** . . . . . 1/8 oz. 15c 05



AGERATUM—Blue Perfection



### Ageratum—Continued

- 118 **Little Blue Star.** 4 to 5 in. Flowers open light blue with purple center and develop to a bright blue self Pkt. 10
- 119 **Little Dorrit.** 6 in. Dwarf blue. . . . . 05
- 128 **Princess Victoria Louise.** 6 in. Bushy plants covered with sky blue flowers with white centers. 1/4-oz. 20c. . . . . 10
- 129 **Lasseauxi.** 3 ft. Plants grow vigorously and produce their soft pink flowers the entire summer. 1/4-oz. 20c. . . . . 10
- 130 **Red Pearl.** 6 to 8 in. Flowers pink, ruby-centered. . . . . 25
- 131 **Wendlandi Nanum Compactum Album.** 6 in. White flowers produced through the entire summer. . . . . 10
- 135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; flowers light rose, shaded white. 1/2 oz. 15c. . . . . 05
- 136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1 1/2 ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. . . . . 05
- 150 **ALONSOA Warscewiczii** ⊙ 2 ft. A fine plant with bright vermilion-scarlet flowers, with golden stamens, suitable for bedding. A sunny spot should be chosen. . . . . 10
- 151 **Grandiflora.** Scarlet . . . . . 10

### Alyssum ⊙

- 159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. \$2.25; 1/4 lb. 60c; 2 oz. 40c; 1 oz. 25c; 1/2 oz. 15c 05
- 160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful snow white carpet. 1 oz. 75c; 1/2 oz. 40c; 1/4 oz. 25c. . . . . 10
- 161 **Benthami Compactum Lilacinum, Lilac Queen.** Distinct variety with pale lilac flowers. . . . . 10
- 162 **Benthami Compactum Lutescens.** Similar in growth and habit to the preceding, but differs essentially in the color, which is pale yellow . . . . . 10



ANTIRRHINUM (Snapdragon)

**Amaranthus** ☉

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

- |     |   |                |
|-----|---|----------------|
| 170 | <b>Atropurpureus</b> 4 ft. Beautiful dark purple flowers...   | 05             |
| 171 | <b>Caudatus</b> (Lovelies bleeding) 3 ft. Drooping red spikes   | 05             |
| 172 | <b>Cruentus</b> (Prince's Feather) 3 ft. Dark red feathery flowers.....   | 1/4-oz. 15c 05 |
| 173 | <b>Salicifolius</b> (Fountain Plant) 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit....   | 05             |
| 174 | <b>Sunrise.</b> The foliage is bronze-crimson, each branch terminating with a tuft of bright scarlet-carmine leaves   | 05             |
| 175 | <b>Tricolor</b> (Joseph's Coat) 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. 1/4-oz. 15c.....  | 05             |
| 180 | <b>Fine Mixed.</b> All the above and many others. 1 oz. 25c   | 05             |
| 181 | <b>AMARYLLIS Hippeastrum. New Hybrids</b> ☐ Saved from one of the finest collections in Europe, valuable sorts may be raised from this seed.....                            | 25             |
| 190 | <b>AMBROSIA Mexicana</b> ☉ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant..... | 1/4-oz. 20c 10 |
| 194 | <b>AMMOBIUM Alatum Grandiflorum</b> ☉ 2 1/2 ft. This pretty white Everlasting should be in every garden. Grows in sandy soil.....   | 1/2 oz. 15c 05 |
| 200 | <b>ANAGALLIS Grandiflora Mixed</b> ☉ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots.....                                | 1/8 oz. 10c 05 |

- |     |   |    |
|-----|---|----|
| 201 | <b>ANCHUSA Capensis</b> (Cape Forget-me-not). 1 ft. A beautiful border plant producing branched heads of flowers resembling large Forget-me-nots, deep sky-blue with white eye; raised in heat and bedded out, it is effective in summer..... | 10 |
| 240 | <b>ANTIGONON Leptopus</b> (Mexican Mountain Rose) § Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink.....                                    | 10 |

**Antirrhinum (Snapdragon)** ☉

For gorgeous coloring few flowers can match Snapdragons.

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

**Tall Giant Flowering**

- |     |  |                |
|-----|--|----------------|
| 241 | <b>Queen Victoria</b> 3 ft. Very beautiful, bearing immense flowers, white shaded cream, with lemon-colored lip...   | 10             |
| 242 | <b>Golden King.</b> Yellow.....  | 1/4-oz. 25c 10 |
| 243 | <b>Lovely.</b> Delicate rose with pink lip.....  | 1/4-oz. 25c 10 |
| 244 | <b>Delicata.</b> Daybreak pink.....  | 1/4-oz. 25c 10 |
| 245 | <b>Brilliant Rose</b> .....  | 1/4-oz. 25c 10 |
| 246 | <b>Apple Blossom.</b> A charming pink shade on a white ground, with a white throat.....  | 1/8-oz. 25c 10 |
| 247 | <b>Coral Red.</b> Dark rose.....   | 1/4-oz. 25c 10 |
| 248 | <b>Delila.</b> Carmine and yellow with white throat.....   | 10             |
| 249 | <b>Brilliant Scarlet</b> .....   | 1/4-oz. 25c 10 |
| 250 | <b>Butterfly.</b> Striped.....   | 1/4-oz. 25c 10 |
| 251 | <b>Firefly.</b> Scarlet and white.....   | 1/4-oz. 25c 10 |
| 252 | <b>Maximum, Purple King</b> .....  | 1/8-oz. 25c 10 |
| 253 |  <b>VAUGHAN'S SPECIAL MIXTURE</b> of Giant Snapdragons includes all the above and many others, 1 oz. \$1.25; 1/4-oz. 40c; 1/8-oz. 25c | 15             |
| 254 | <b>Majus Grandiflorum Mixed.</b> Ordinary... 1/4-oz. 20c   | 10             |

**Semi-Tall Sorts, 18 in.**

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

- |     |  |                |
|-----|--|----------------|
| 255 | <b>Amber Queen.</b> The ground color is canary yellow overlaid with chamois pink with a gold lip. 1/8-oz. 30c      | 15             |
| 256 | <b>Aurora.</b> A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast... | 10             |
| 257 | <b>Black Prince.</b> Dark crimson flower, very dark foliage.....   | 1/4-oz. 25c 10 |
| 258 | <b>Carmine Queen.</b> Rich rose carmine, a most exquisite variety with very large fringed flowers.....             | 1/8-oz. 30c 15 |
| 259 | <b>Fairy Queen.</b> Rich orange salmon or terra cotta, with white throat.....                                      | 10             |
| 260 | <b>Golden Queen.</b> Large flower, rich color.....   | 10             |
| 261 | <b>Mauve Beauty.</b> Lovely rosy mauve.....  | 10             |
| 262 | <b>Pink Pearl.</b> White ground, shaded peach blossom, lip a deeper shade.....                                     | 10             |
| 263 | <b>Queen of the North</b> 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet...   | 10             |
| 264 | <b>Rosy Morn.</b> A lovely pale rosy pink, slightly paler lip  | 10             |
| 265 | <b>Majus, Tall, mixed</b> .....  | 1/2-oz. 30c 05 |
| 271 | <b>Semi Dwarf Sorts Mixed</b> .....  | 1/4 oz. 20c 05 |

**Tom Thumb Varieties**

These grow about 8 inches in height, are splendidly suited for edgings.

- |     |   |                |
|-----|---|----------------|
| 272 | <b>Snow Queen</b> 8 in. Splendid for pots and edging. Beautiful white flowers all summer.....   | 1/8-oz. 25c 10 |
| 273 | <b>Fireball</b> 8 in. The color is the most dazzling scarlet.   | 10             |
| 274 | <b>Tom Thumb Mixed</b> .....  | 1/8 oz. 15c 05 |
| 355 | <b>ARCTOTIS Grandis</b> ☉ 2 ft. A very lovely species with greyish foliage, and bearing large daisy-like flowers on long stems rising well above the plant; the blooms are white, with narrow yellow central ring and a pretty lavender disc; a valuable plant for beds and pots... | 10             |
| 356 | <b>ARGEMONE Grandiflora</b> (The Prickly Poppy) ☉ 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers, snowy-white filled in the center with golden stamens, very beautiful....  | 10             |

For a good pink cut flower, or garden plant, Delicata Snapdragon has no equal.

- 357 **ARTEMISIA Sacrorum Viridis (Summer Fir)** ○ Pkt.  
Ornamental foliage plant. It forms pyramidal bushes  
3 to 5 ft. high. The foliage is a rich dark green color 15
- 384 **ASPARAGUS Plumosus Nanus (Lace fern)** △ 3 ft.  
The bright green sprays surpass the Maiden-hair Fern  
in grace and delicacy of texture. The hard seeds need  
soaking and bottom heat to sprout them. 100 seeds  
75c; 50 seeds, 40c; 25 seeds, 25c; 9 seeds. .... 10
- 385 **Hatcheri** △ \$ A rapid and heavy-growing Asparagus  
for indoor culture. The foliage is finer than the Aspar-  
agus Plumosus, from which it is a selection. . . 10 seeds 10
- 386 **Sprengeri (Emerald Feather)** △ A very elegant  
foliage plant for hanging baskets, etc.; the minute  
flowers, which are produced in pretty racemes, are of  
a rose color with orange anthers. 100 seeds, 40c; 50  
seeds, 25c; 15 seeds. .... 10
- 389 **ASPERULA Azurea Setosa** ○ 1 ft. Pretty sweet  
scented annual with light blue flowers. .... 1/4-oz., 10c 05

## ASTERS

During the late summer and early fall the garden is usually a riot of  
reds and yellows, so the asters in their dainty and distinct colors as well as  
their many attractive forms are a pleasing addition.

In their improved forms one can scarcely tell them from the Chrys-  
anthemums, to which they bear a striking resemblance.

The long stems make them desirable for cut flowers and the blooms  
last long in water.

It should be remembered however in regard to Asters that good  
culture is essential in order to obtain an abundance of fine flowers.

We offer a leaflet on the culture of asters which is supplied  
free if asked for at the time of ordering.

### Dwarf Section. Up to 10 in.

- 400 **Vaughan's Little Gem.** Neat bushes covered with  
flowers of the most charming combination of pink and  
white. A clump or row of them will form a pleasing  
spot in the garden. .... 1/8-oz., 40c 15
- 401 **Vaughan's Snowball.** The best dwarf white aster.  
The beautiful shape of the snow-white flowers and  
the free flowering habit of the plants are unequalled  
in any other dwarf aster. .... 1/8 oz. 40c 15
- 402 **Vaughan's Fireball.** The most brilliant dwarf aster.  
It forms a neat, well-formed bush, covered with  
beautifully shaped flowers of the brightest scarlet; very  
effective for bedding and for pots. .... 1/8 oz. 40c 15
- 403 **Vaughan's Pink Pompon.** The best dwarf pink aster,  
in every respect like the Snowball, except the color,  
which is the most brilliant satiny rose, turning lighter  
toward the edges of the flowers. .... 1/8 oz. 40c 15
- 404 **Boltze's Dwarf Bouquet.** Mixed, all colors. Pretty  
little plants of handsome form, completely covered  
with flowers, each plant forming a neat bouquet. The  
flowers are the most distinct and delicate shade. .... 10

### Dwarf Queen

This splendid aster makes low, compact, bushy plants, which pro-  
duce a great number of double, extra large flowers like the Victoria aster,  
3 inches across. Excellent for bedding and for pots.

- |   |               |           |    |
|---|---------------|-----------|----|
| 410 White                               | 412 Crimson   | 415 Flesh |    |
| 411 Pink                                | 414 Dark Blue | 416 Lilac |    |
| Each of the above. .... 1/8 oz. 30c     |               |           | 10 |
| 417 Mixed, all colors. .... 1/8 oz. 25c |               |           | 10 |

### Semi-Tall Section. 11 in. to 16 in.

#### Giant Comet

This giant class is an improvement on the old and inferior Comet  
class, not only in bearing much larger flowers, but the petals are longer  
and broader.

- |   |                 |
|---|-----------------|
| 431 White   | 434 Salmon Rose |
| 432 Sulphur Yellow                                      | 435 Rose        |
| 433 Queen of Spain,                                     | 436 Carmine     |
| soft yellow turning                                     | 437 Crimson     |
| to flesh  | 438 Light Blue  |
| 439 The Bride, white                                    | 440 Lavender    |
| turning to pink   | 441 Dark Blue   |
| Each of the above. .... 1/4 oz. 40c; 1/8 oz. 25c 10     |                 |
| 442 Mixed, all colors. .... 1/4 oz. 35c; 1/8 oz. 20c 10 |                 |

#### Daybreak

The Daybreak class forms strong bushy plants of very even growth.  
The full round flowers grow on strong, stiff upright stems. Extremely val-  
uable for bedding.

- |                          |    |
|--------------------------|----|
| 470 Purity. Pure white   | 10 |
| 471 Daybreak. Shell pink | 10 |
| 472 Salmon               | 10 |



ASTER—King

### The Mikado

Pkt.

Petals are narrow, very long and gracefully reflexed. The outer petals  
show to their full extent, while gradually toward the center they bend and  
curl on each other in such magnificent disorder as to make the fluffiest aster  
we have ever seen.

- |                     |  |    |
|---------------------|--|----|
| 480 White           | 1/8 oz., 25c   | 10 |
| 481 Pink Rochester. | Exquisite shade of shell-pink. The<br>official flower of the city of Rochester, New York. .... | 10 |

### Queen of the Market

The best early aster, usually in full bloom two weeks before most  
other sorts begin to blossom. Of graceful spreading habit.

- |  |                |                |
|--|----------------|----------------|
| 485 White                              | 488 Crimson    | 491 Lavender   |
| 486 Flesh                              | 489 Scarlet    | 492 Dark Lilac |
| 487 Pink                               | 490 Light Blue | 493 Dark Blue  |
| Each of the above. .... 1/4 oz. 25c 10 |                |                |
| 494 Mixed, all colors                  | 1/4 oz. 20c    | 10             |

### Vaughan's Improved Victoria

Flowers are large, perfectly double, globular and imbricated; plants  
are of fine pyramidal form, an effective bedding variety.

- |                       |             |    |
|-----------------------|-------------|----|
| 512 Mixed, all colors | 1/8 oz. 35c | 10 |
|-----------------------|-------------|----|

### Crego

This flower is giant in size, many blossoms six inches across. The  
petals are nearly double the length of the older varieties and are twisted and  
curled into a very fluffy effect.

- |  |  |
|--|--|
| 515 White                              | 520 Lavender   |
| 516 Shell Pink                         | 521 Azure Blue   |
| 517 Rose Pink                          | 522 Purple   |
| 518 Crimson                            |  |
| Each of the above. .... 1/8 oz. 25c 10 |  |
| 523 Mixed, all colors                  | 1/8 oz. 20c 10   |
| 524 Crown Mixed.                       | Large flowered variety, each bloom of<br>which has a clear white center. A most effective sort<br>for cutting, as the stems are long and stiff. 1/8 oz. 20c 10     |
| 529 Vaughan's Beauty.                  | A splendid red sort re-<br>sembling the Victoria aster in shape and size of flowers.<br>The color is the brightest red imaginable, with a<br>satiny gloss. .... 10 |

If you have never grown the Mikado Aster try it in both colors this year. You will like it.



# VAUGHAN'S



ASTER  
Giant Ostrich  
Feather

## Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

- |   |                |      |
|---|----------------|------|
| 540 White   | 546 Azure Blue | Pkt. |
| 542 Flesh Pink  | 547 Lavender   |      |
| 543 Rose Pink   | 548 Purple     |      |
| 545 Crimson   |                |      |
| Each of the above.....  | 1/8 oz. 25c    | 10   |
| 549 Mixed, all colors.....  | 1/8 oz. 20c    | 10   |
| 560 Hercules White. The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are pure white, with long petals, borne on remarkably strong stalks..... |                | 25   |

## Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

- |  |                   |    |
|--|-------------------|----|
| 563 White  | 567 Rose          |    |
| 564 The Bride. White changing to pink  | 568 Crimson       |    |
| 565 Soft Pink  | 569 Silvery Lilac |    |
| 566 Lavender Pink  | 570 Blue          |    |
| Each of the above.....   | 1/8 oz. 30c       | 10 |
| 571 Mixed, all colors.....   | 1/8 oz. 25c       | 10 |
| 572 Soleil D'or (Golden Sun). This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow..... |                   | 15 |

- 573 **Gypsy Girl.** Large pyramidal shaped bushes about 24 Pkt inches high, each individual plant making a large bouquet. The flowers are carried well above the foliage, on long, stiff stems, and are fluffy white. This variety is an especially fine selection from Giant Ostrich Plume. 15

## The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large. See illustration on preceding page.

- |                            |             |            |
|----------------------------|-------------|------------|
| 575 White                  | 577 Rose    | 579 Violet |
| 576 Pink                   | 578 Crimson |            |
| Each of the above.....     | 1/8 oz. 25c | 10         |
| 580 Mixed, all colors..... | 1/8 oz. 20c | 10         |

## The Royal

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

- |                        |               |            |
|------------------------|---------------|------------|
| 585 White              | 587 Rose Pink | 589 Purple |
| 586 Shell Pink         | 588 Lavender  |            |
| Each of the above..... | 1/8 oz. 25c   | 10         |

## New American Asternum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form. Pkt.

- |   |             |    |
|---|-------------|----|
| 590 Snow White  | 1/8 oz. 30c | 10 |
| 591 Rose Pink   | 1/8 oz. 30c | 10 |
| 592 Dark Lavender   | 1/8 oz. 30c | 10 |
| 594 Unicum. Pure white; in height and habit similar to the Ostrich Feather Aster; flowers pure white, gracefully curled, 5 to 6 inches in diameter; splendid variety for cutting..... | 1/8 oz. 30c | 10 |

## Other New American Varieties

- 595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems..... 15
- 597 **White Fleece.** A large and early flowering variety of the Comet family, with snowy white flowers which sparkle in the sunlight..... 15
- 600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later..... 15
- 601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden..... 15
- 610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red..... 15

## Mixtures in Variety

- 611 **White Asters In Mixture.** Composed of all the tall growing white sorts..... 1/8 oz. 25c 10
- 620 **Asters, Tall Mixture.** All classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall..... 1 oz. 75c; 1/4 oz. 25c 05

## Vaughan's Excelsior Mixture of Dwarf Asters

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture**. It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower..... 1/8 oz. 50c; extra large pkt. 25c; pkt 15



# ASTERS

- 621 Asters, Dwarf Mixture.** All classes and colors. This Pkt. is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. Does not contain as many sorts as the Excelsior, but all the standard colors are represented .....oz. \$1.00; 1/8 oz. 20c 05

## Single Elegance or Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

- 627 White** ..... 629 **Dark Blue**  
**628 Lavender** ..... 630 **Light Rose**  
Each of above.....1/8 oz. 25c 10

- 660 BALLOON VINE (Love in a Puff** ○ §.) A rapid-growing annual climber; flowers white; seed vessels like miniature balloons .....oz. 30c 05
- 661 BALSAM, Apple** ○ §. 10 ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood red interior .....oz. 35c 05
- 662 Pear.** Like above, only the fruit is pear shaped. oz. 35c 05
- 663 Apple and Pear Mixed**.....oz. 35c 05

**BALSAM.** See next page.

## Begonia △ 8 to 10 in.

### Tuberous-rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

- 700 Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large well formed flowers of many brilliant shades of color ..... 20
- 701 Double Tuberous-Rooted Mixed.** Producing on strong erect stems an abundance of very double flowers ranging from brilliant rose to carmine, often with white margin or mottling, very striking ..... 25
- 702 Frilled Tuberous-Rooted.** Seed saved from selected, best frilled flowers ..... 25
- 706 Hybrida Fl. Pl. Pendula.** Pretty hanging shoots covered with double flowers in light and dark rose, salmon, carmine and bright red shades ..... 25

## Begonia Semperflorens

### Fibrous-rooted Begonias

A continuous-flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

- 707 Erfordia.** A very pretty variety, densely covered with handsome flowers of a delicate rose color ..... 15
- 709 Gracilis Luminosa.** Large bright scarlet flowers.... 20
- 711 Gracilis Prima Donna** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose ..... 25
- 713 Semperflorens Atropurpurea Vernon.** Bright orange carmine flowers, deep red foliage ..... 10
- 714 Semperflorens Mixed**..... 10
- 716 Rex** △ Ornamental leaved in splendid mixture, 250 seeds 30



ASTER—Giant Branching

**BIRD OF PARADISE.** See Poinciana Gilliesi.

- 730 BIDENS Atrosanguinea** ○ 2 1/2 ft. (**Black Dahlia, Pkt. or Black Cosmos.**) Produces an abundance of crimson-maroon, velvety flowers, 4 in. in diameter.... 05
- 731 Dahlioides.** The flowers are very large, single pink or white with yellow centers, on long stems..... 10

## Annual Climbers

The Annual Climbers are luxuriant and constant bloomers and grow rapidly from seed, being often the earliest to bloom and longest remembered. We are offering a special collection of these, some of which are bound to suggest themselves to everyone who has a porch, a fence or arbor to cover with beautiful flowers.

### Vaughan's Special Collection "A" Annual Climbers

One regular size packet of each of the following:

- Balsam Apple and Pear mixed.** **Ornamental Gourds, mixed.**  
**Balloon Vine.** **Morning Glory, Japanese.**  
**Canary Bird Creeper.** **Tall Nasturtium, Vaughan's Spl. M'xd.**  
**Cypress Vine, mixed.** **Sweet Peas, Vaughan's Prize.**  
**Dolichos, mixed.** **Wild Cucumber.**

The 10 Packets for 40c, postpaid.

- 670 Annual Climbers Mixed.** The above and many others.....oz., 25c 10

Gentlemen:

Your Giant **EARLY-FLOWERING PANSIES**, **Winter Sun**, **Ice King**, **Celestial Queen**, **March Beauty** are the best I have ever seen. Send me four packages of each at once.

J. CANNING (Gardener to A. Lewisohn, Esq.).

ARDSLEY, N. Y., January, 1916.

## Vaughan's Excelsior Mixture of Tall Asters

- 625** This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain .....1/8 oz. 50c; extra large pkt. 25c; pkt 15



**Double Balsam (Lady Slipper) 1½ to 2 ft.**

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

- 675 **Alba Perfecta.** Pure white.  
 676 **Lemon Yellow.**  
 677 **Flesh Pink.**  
 678 **The Queen.** Pale rose. Pkt. 10c.  
 679 **Prince Bismarck.** Salmon pink. Pkt., 10c.  
 680 **Crimson.**  
 681 **Crimson Spotted**  
 682 **The King.** Brilliant scarlet.  
 683 **Atrosanguinea Plena.** Flowers and leaves, red.  
 684 **Solferino.** Striped lilac, white and scarlet.  
 685 **Lilac.**  
 686 **Dark Blue.**

Each of the above, except where noted, ½ oz. 15c; pkt., 05.

689 **Double Rose and Camellia-flowered** Mixed ½ oz. 15c; pkt. 05

**BALSAM—Vaughan's Invincible Mixed**

- 690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams. ¼ oz. 35c 10  
 691 **Dwarf Balsams Mixed 8 in.** Perfect little bushes with double and semi-double flowers, the colors are pretty and pleasing. ¼ oz. 25c 05  
 692 **Goliath White 4 ft.** Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. ¼ oz., 30c 10  
 693 **Goliath Scarlet.** Extremely brilliant, large and very double. ¼ oz., 30c 10  
 694 **Giant Cream.** A beautiful, rich, creamy, primrose color. Exceedingly double and of fine robust form. 10  
 696 **BARTONIA Aurea** 12 in. Large golden blossoms and ornamental foliage. Valuable for borders and rockeries. ½ oz. 15c 05

**Brachycome Iberidifolia** 12 in.**(Swan River Daisy)**

Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

- 737 **White** 739 **Blue**  
 738 **Pink** 740 **Mixed, all colors** } Each. ½ oz. 10c 05  
 741 **Blue Star.** The plants are of form and crowned with multitudes of blue daisy-like flowers. The blossoms may be described as star-like Cinerarias. 15  
 742 **Snow Star.** The flowers appear as snow crystals in a mass of green in midsummer. Grand for edging. 15  
 744 **BRIZA Maxima (Quaking Grass),** 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion. 05

**Browallia** 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

- 745 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. 10  
 746 **Elata Mixed.** Blue and white. 05

- 748 **BRYONOPSIS Laciniosa** 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white. 05  
 750 **CACALIA** 2 ft. (Tassel Flower or Flora's Paint Brush.) A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases. ¼ oz., 20c 05  
 755 **CALCEOLARIA Hybrida Grandiflora (Pouchflower).** Fine Mixed. 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. 300 seeds 25

**Calendula (Pot Marigold)** 1 ft.

This is the "Marygold" of Shakespeare's time; one of the best and showiest free flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

- 766 **Officinalis, Orange King.** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. ½ oz. 10c 05  
 767 **Officinalis, Sulphur Queen.** Large sulphur yellow. 05  
 768 **Officinalis, Meteor.** Apricot-orange, striped primrose, 05  
 769 **Pongei Flore Pleno.** Double white flowers. 05  
 770 **Mixed, all colors.** For woodlands, wild gardens and perennial borders. ½ oz. 10c 05  
**California Poppy.** See Escholtzia.

**Calliopsis (Tickseed)** 6 in. to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colours are highly appreciated.

- 780 **Crown of Gold (Coronata Maxima.)** Splendid cut-flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season. 10  
 781 **Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center. ½ oz., 25c 10  
 782 **Drummondii, Golden Wave 2 ft.** Flowers yellow with a circle of rich crimson-brown around the eye, ¼ oz. 10c 05  
 783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders. ½ oz., 25c 10  
 784 **Radiata Tigrinia, (Tiger Flower)** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow. ½ oz., 25c 10  
 785 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting. ¼ oz. 10c 05  
 787 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. ¼ oz. 10c 05  
 790 **Double Mixed, all colors.** ¼ oz. 10c 05

800 **VAUGHAN'S SPECIAL MIXTURE CALLIOPSIS.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds

have been especially selected for it. ½ oz., 30c; pkt. 10c.

840 **CANARY BIRD VINE** 15 to 20 ft. Neat and attractive climber, yellow flowers freely produced with tender green foliage ½ oz. 15c; 1 oz. 25c., pkt., 5c.

The Pansy bed is a beautiful sight now. No one can beat your "International Mixture."  
 ANNE W. BADGER.  
 Sunapee, N. H.  
 June, 1916.

**BRACHYCOME**

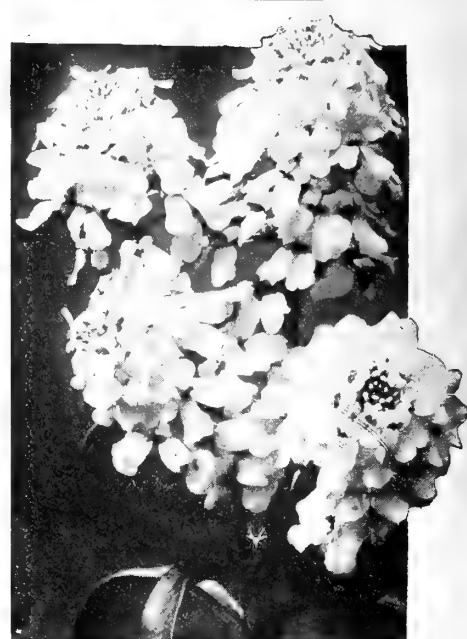




CALLIOPSIS (Tickseed)



CALENDULA—Orange King



CANDYTUFT—Giant Hyacinth Flowered

## Candytuft ☉

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting the flowers are greatly prized.

- |     |   |              |    |
|-----|---|--------------|----|
| 845 | <b>Giant Hyacinth-Flowered White.</b> 1 ft. A grand border plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock.....                                  | 1/4 oz. 25c  | 10 |
| 846 | <b>Empress.</b> Pure white splendid cut flower....  | 1/2 oz. 20c  | 05 |
| 848 | <b>Snowflake</b> 7 in. The plants form very neat, round bushes, covered with pure white flowers....   | 1/4 oz. 20c  | 10 |
| 850 | <b>Queen of Italy</b> 8 in. The plants form dwarf bushes which are covered with very large pink blooms, 1/2 oz. 25c   | 1/2 oz. 25c  | 10 |
| 852 | <b>Umbellata Carminea.</b> Carmine.....   | 1/4 oz. 10c  | 05 |
| 854 | <b>Umbellata Purpurea.</b> Crimson.....   | 1/4 oz., 10c | 05 |
| 856 | <b>Umbellata Lilacina.</b> Lilac.....   | 1/2 oz., 15c | 05 |
| 857 | <b>Dwarf Hybrids Mixed.</b> Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting..... | 10           |    |
| 860 | <b>Mixed, all colors.</b> Lb. \$1.25; 1/4 lb. 35c; oz. 15c; 1/2 oz. 10c   | 05           |    |

## Canna ↗ 2 1/2 to 8 ft.

- |     |   |                        |    |
|-----|---|------------------------|----|
| 900 | <b>Giant Flowered, Mixed.</b> (For remarks see page 122) Pierce the seed in one spot with a file and soak in luke warm water for 24 hours before sowing. Named Cannas do not come true from seed, so we only offer the seed in mixture..... | 1 oz. 35c; 1/2 oz. 20c | 10 |
|-----|---|------------------------|----|

## Carnations ☉ ☉

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

- |     |  |           |    |
|-----|--|-----------|----|
| 910 | <b>Chabaud Mixed.</b> A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion.....  | 100 seeds | 15 |
| 911 | <b>American Hybrids.</b> A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession.....   | 25 seeds  | 25 |
| 912 | <b>McKinley.</b> A brilliant scarlet variety.....  | 15        |    |
| 914 | <b>Marie Chabaud.</b> Pure canary yellow.....  | 50 seeds  | 25 |
| 918 | <b>Glowing Coal.</b> Intense brilliant scarlet.....  | 50 seeds  | 25 |
| 920 | <b>Guillaud Riviera Market.</b> Producing nearly all double flowers of fine form and delicate shades, including yellow, all delightfully fragrant.....   | 25        |    |
| 930 | <b>Giant Margaret Mixed.</b> The flowers are of very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support, their yield of flowers is wonderful..... | 100 seeds | 15 |

## Carnations—Continued

- |     |  |                                |    |
|-----|--|--------------------------------|----|
| 931 | <b>Giant Margaret White</b> .....  | 50 seeds                       | 15 |
| 950 | <b>Margaret, Double Mixed.</b>   |                                |    |
| 952 | White  | 956 Pink                       |    |
| 954 | Yellow   | 958 Striped                    |    |
| 960 | Red  | Each of the above, 1/4 oz. 30c | 05 |
| 975 | <b>VAUGHAN'S SPECIAL MIXTURE.</b> This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house. 100 seeds |                                | 25 |



## Celosia ☉ 8 in.

### Cristata or Crested Coxcomb, Dwarf

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

- |      |   |              |
|------|---|--------------|
| 1010 | <b>President Thiers.</b> Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs..... | 10           |
| 1012 | <b>Fire King.</b> Rich fiery orange scarlet.....  | 1/8 oz., 75c |
| 1014 | <b>Empress.</b> Blood red combs and brown foliage.....  | 10           |
| 1016 | <b>Aurea.</b> Golden yellow combs.....  | 1/8 oz., 75c |
| 1018 | <b>Rosea.</b> Pink combs.....   | 1/8 oz., 75c |
| 1019 | <b>Dwarf Mixed.</b> All the above and others.....   | 1/8 oz. 30c  |
| 1021 | <b>Tall Coxcomb Mixed</b> .....   | 1/4 oz. 15c  |

### Plumosa or Plumed Varieties, 2 1/2 to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

- |      |   |              |
|------|---|--------------|
| 1022 | <b>Plumosa Aurea.</b> Orange ostrich plume.....   | 1/8 oz., 25c |
| 1024 | <b>Plumosa Coccinea.</b> Crimson ostrich plume.....   | 1/8 oz., 25c |
| 1025 | <b>Plumosa mixed, all colors</b> .....  | 1/4 oz. 15c  |
| 1026 | <b>Plumosa Thompsoni Magnifica.</b> A choice strain of the Ostrich Plume Celosias.....  | 1/4 oz. 25c  |
| 1027 | <b>Pride of Castle Gould.</b> Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades.....   | 25           |
| 1028 | <b>Spicata.</b> Flowers pink shaded to silvery white.....   | 05           |
| 1031 | <b>Dwarf Thompsoni Magnifica Nana Salmonea</b> ☉ 15 in. Dwarf feathered cockscomb in a particularly attractive salmon color.....  | 15           |
| 1032 | <b>Dwarf Plumosa Mixed</b> .....  | 10           |
| 1037 | <b>CELSIA Arcturus.</b> A splendid half hardy greenhouse plant with long spikes of bright yellow flowers. It is easily raised from seed, and if sown in spring the plants will bloom the same season.....             | 25           |
| 1038 | <b>CENTAUREA Americana Alba</b> ☉ 2 1/2 ft. Star Thistle. Grows to a large size in one season and the immense heads of double fluffy blooms are quiet as showy in flower borders as Hollyhocks. Almost pure white.... | 10           |



CENTAUREA—Vaughan's Special Mixture

- 1039 **CENTAUREA Americana.** A splendid native variety, Pkt. growing 3 ft. high, and bearing immense thistle-like blooms of rosy-lavender color. These bunched with *Salvia Splendens* Maroon make a very lovely color combination ..... 10

### **Centaurea Cyanus (Bachelor's Button) ○ 2 ft.**

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

#### **Single Flowering Varieties**

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 1041 White                        | 1044 Blue Emperor. ½ oz 20c |
| 1041a White and Blue              | 1044a Black Blue            |
| 1042 Blood Red                    | 1045 Lilac                  |
| 1043 Rose                         | Each of the above ..... 10  |
| 1046 Mixed, all colors ½ oz., 15c | ..... 05                    |

#### **Double Flowering Varieties**

- |   |                             |
|---|-----------------------------|
| 1047 White  | 1050 Blue..... ¼ oz. 20c .. |
| 1048 Blood Red  | 1051 Double Mixed..... 05   |
| Each of the above .....   | 10                          |
| 1052 Dwarf Victoria. 9.in. For pots and edging, blue....  | 10                          |
| 1055 VAUGHAN'S SPECIAL MIXTURE of Bachelor's Buttons, double and single varieties..... 1 oz. 40c. | 10                          |

### **Imperialis (Giant Sweet Sultan), 2½ ft.**

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition.

- |   |                                      |
|---|--------------------------------------|
| 1064 White.   | 1066 Lilacina. Dark Lilac.           |
| 1065 Favorita. Brilliant Rose   | 1067 Splendens. Purple crimson       |
| 1065a Rose and White.   | Each of the above..... ¼ oz., 20c 10 |
| 1068 Mixed, all colors..... ¼ oz. 15c   | 10                                   |
| 1069 Moschata Mixed. Sweet Sultan, white, red and blue.   | 05                                   |
| 1070 Suaveolens. Yellow Sweet Sultan..... ½ oz. 30c   | 05                                   |
| 1075 VAUGHAN'S SPECIAL MIXTURE of Centaureas is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. 1 oz. 50c; ½ oz. 30c | 10                                   |

- 1078 **CENTAUREA Candidissima** 10 in. Thick silvery white leaves, used for bedding purposes..... 10  
 1080 **CENTAUREA Gymnocarpa (Dusty Miller)** 1 ft. Foliage finely cut of silvery gray color, used for bedding..... 05  
 1082 **CENTROSEMA Grandiflora (Butterfly Pea).** 10 ft. Pea-like flowers, purple and white.... 05

### **Chrysanthemum ○ 2½ ft.**

Showy and effective family of plants of varied character extensively grown for cut flowers.

#### **Single Flowering Varieties**

- |   |    |
|---|----|
| 1088 Morning Star. Primrose with golden yellow center.  | 05 |
| 1089 Evening Star. Large golden yellow flower. ½ oz. 15c  | 05 |
| 1090 Carinatum, Eclipse. Yellow with dark brown disk...   | 05 |
| 1092 Golden Feather. Foliage striking yellow; flower with a crimson ring near center..... ¼ oz., 15c          | 05 |
| 1094 The Sultan. Crimson maroon..... ¼ oz., 15c   | 05 |
| 1095 Silver Queen. Flowers pure white with a zone of clear bright yellow overlaid with silver..... ¼ oz., 15c | 10 |
| 1095a Mixed, Single Annual Varieties .....  | 05 |

#### **Double Flowering Varieties**

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

- |  |    |
|--|----|
| 1096 Coronarium, Double White..... ¼ oz. 15c | 05 |
| 1097 Double Golden Yellow..... ¼ oz. 15c     | 05 |
| 1098 Double Sulphur Yellow..... ¼ oz. 15c    | 05 |
| 1099 Double Mixed..... ¼ oz. 15c             | 05 |

The Dunnetti varieties are of upright growth, producing flowers two inches across.

- |  |    |
|--|----|
| 1100 Dunnetti, Double White.....   | 05 |
| 1101 Dunnetti, Double Yellow.....  | 05 |
| 1102 Inodorum Plenisimum, Bridal Robe. 10 in. Double pure white flowers..... ½ oz., 40c  | 10 |
| 1110 VAUGHAN'S SPECIAL MIXTURE of Annual Chrysanthemums. Single and double sorts in finest mixture including many new varieties not catalogued above. ½ oz. 25c    | 10 |
| The following are valuable for winter-flowering in pots.   |    |
| 1112 Frutescens 1 Paris daisy or Marguerite. Large white star-shaped flowers..... ½ oz., 15c   | 10 |
| 1114 Chinese and Japanese Varieties Mixed. If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall.... 100 seeds | 15 |

### **Cineraria 18 in.**

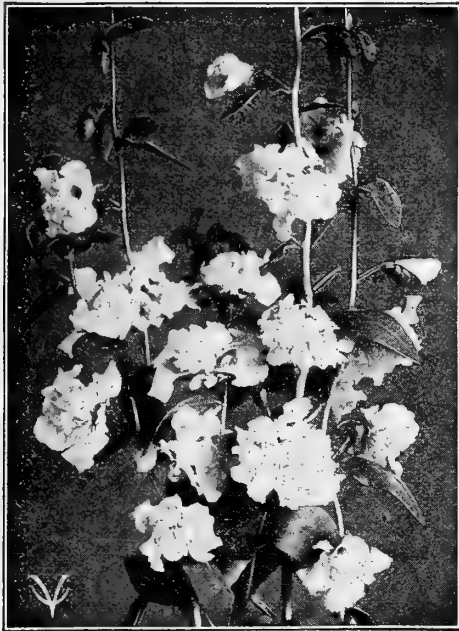
As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

- |   |    |
|---|----|
| 1125 VAUGHAN'S COLUMBIAN MIXTURE. This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors.. | 25 |
| 1126 Hybrida, Good Mixed.....   | 05 |
| 1127 Maritima, Diamond. For bedding, not for flowers..  | 10 |

### **Clarkia ○ 2 ft.**

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

- |  |    |
|--|----|
| 1128 Apple Blossom. Double flowers, apple-blossom pink   | 10 |
| 1129 Brilliant. Double flowers, produced on long spikes, of a brilliant salmon scarlet..... ¼ oz., 30c   | 10 |
| 1130 Flesh. Double flesh pink.....   | 10 |
| 1131 Salmon Pink. Double salmon.....   | 10 |
| 1132 Scarlet Queen. The flowers are a double orange salmon and develop to a glowing orange scarlet. ½ oz., 25c   | 10 |
| 1133 White Prince. Very double pure white..... ¼ oz., 30c  | 10 |
| 1134 Elegans, Double and Single Mixed..... 1 oz. 25c   | 05 |
| 1135 CLEOME Pungens (Spider Wort) ○ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color with long antennae-like stamens; of easy cultivation, blooming until late..... ½ oz. 25c | 10 |
| 1140 COBAEA Scandens (Cathedral Bells) ○ 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac. A very vigorous and prolific bloomer..... ¼ oz. 15c       | 05 |
| 1142 Flore Albo. White..... ¼ oz., 30c   | 10 |
| 1145 Mixed. White and blue.....  | 10 |



CLARKIA—Double



GIANT FLOWERED  
COSMOS



COBAEA SCANDENS

1146 **COCCINEA Indica** ☉ § A remarkably pretty annual Pkt.  
climber; luxuriant Ivy-like foliage; small flowers fol-  
lowed by numerous fruits 2 inches long, which turn  
to brilliant scarlet, spotted with white. . . . 1/8 oz., 25c 10

1148 **COIX Lachrymae (Job's Tears)** ☉ 2 to 4 ft. The  
seed is frequently used as an old-fashioned remedy for  
sore throat, goiter and teething babies. It is strung  
on a linen thread and worn around the neck as a  
chain. . . . 1 lb. 60c; 1/4 lb. 20c; 1 oz. 5c

1150 **COLEUS, Vaughan's Mammoth Rainbow Mixture**  
☉ 2 ft. The handsomest foliage plant obtained from  
seed. The leaves often measure 10 inches in length  
and 8 inches in width, heart shaped and handsomely  
crimped, toothed and frilled; their color  
combinations are remarkably rich, com-  
prising all the reds, metallic greens and  
yellows to nearly black. . . . 15



1152 **Fine Mixed** . . . . . 05

1154 **COLLINSIA Mixed** ☉ 18 in. All species are brightly  
colored and excellent for growing in clumps. . . 1 oz. 25c 05

1156 **COMMELINA Sellowiana** ☉ 1 ft. Plants are of  
graceful trailing habit, superb for carpet bedding or  
for hanging baskets. In pots it blooms every day in  
the year. In the garden from May until frost, show-  
ing daily scores of large winged butterfly-like blossoms  
of dainty blue color. . . . 1/8 oz., 50c 10

## Convolvulus (Morning Glory) ☉ §

### Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1160 White	1163 Striped
1161 Rose	1164 Blue
1162 Crimson	1165 Lilac

Each of the above . . . . . 1 oz. 20c 05

1166 **Mixed, all colors** . . . . 1 lb. 70c; 1/4 lb. 30c; 1 oz. 10c 05

1168 **Double Mixed**. The flowers are double and semi-  
double and some are fringed, which give an appear-  
ance of a double flower. . . . 1 oz. 20c 05

1169 **Mauritanicus**. Blue flowers; for hanging baskets. . . . 05

### Minor—Dwarf Varieties 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1170 Blue . . . . . 1171 **Rose Queen** . Each 1 oz. 20c 05

1172 **Mixed, all colors** . . . . . 1 lb. \$1.25; 1 oz. 15c 05

1173 **COSMIDIUM Orange Crown** ☉ 2 ft. The flowers Pkt  
are golden-yellow with a broad circle of a rich orange  
around the disk, a pleasing combination. Plants  
produce a succession of bloom throughout the summer  
and the flowers last well in water. . . . 1/8 oz., 25c 10

### Cosmos ☉ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut. Excellent for cutting.

### Early Flowering

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost.

1180 White . . .	1182 Pink . . .	1183 Crimson . .	Each 10
1185 Mixed, all colors . . . . .	1/2 oz. 30c 10		

### Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

1186 White. (Pond Lily) . . . . .	1/2 oz. 15c 05
1187 Pink. (Pink Butterfly) . . . . .	1188 Crimson . 1/2 oz. 15c 05

1189 White Lady Lenox . . . . .	10
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1190 Pink Lady Lenox . . . . .	1/2 oz. 25c 10
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1191 Marguerite. Fringed, finest mixed . . . . .	10
--	----

1192 Striped. Large white centers, petals striped white . . . . .	10
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1195 Giant Mixed . . . . .	1 oz. 25c; 1/2 oz. 15c 05
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1196 Klondyke. A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. . . .	10
---	----

For New Double Sorts see the Novelty pages.

1202 <b>CUPHEA Platycentra (Cigar Plant)</b> ☉ 10 in. Small scarlet and black tubular flowers; dark green foliage. . .	20
---	----

1203 <b>Purpurea</b> . . . . .	05
--------------------------------	----

### Cyclamen (Alpine Violet) ☉ 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

### Giant German Grown

1205 Pure White (Mont Blanc)	1206 Dark Crimson
------------------------------	-------------------

1207 Rosa von Marienthal (Daybreak Pink)	
--	--

1208 Dark Rose	1209 White, with Carmine Eye
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Each of the above . . . . 10 seeds 15c; 100 seeds \$1.00 ..

1210 <b>Giant Flowered Cyclamen. Mixed, extra choice</b> . . . . .	10 seeds 15c; 20 seeds 25c; 100 seeds 65c ..
--	--

### Giant English Grown

1217 Princess May. Pale pink.	1219 Brilliant Giganteum
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1220 Duke of Fife. Dark rose.	1221 Salmon King. New color.
-------------------------------	------------------------------

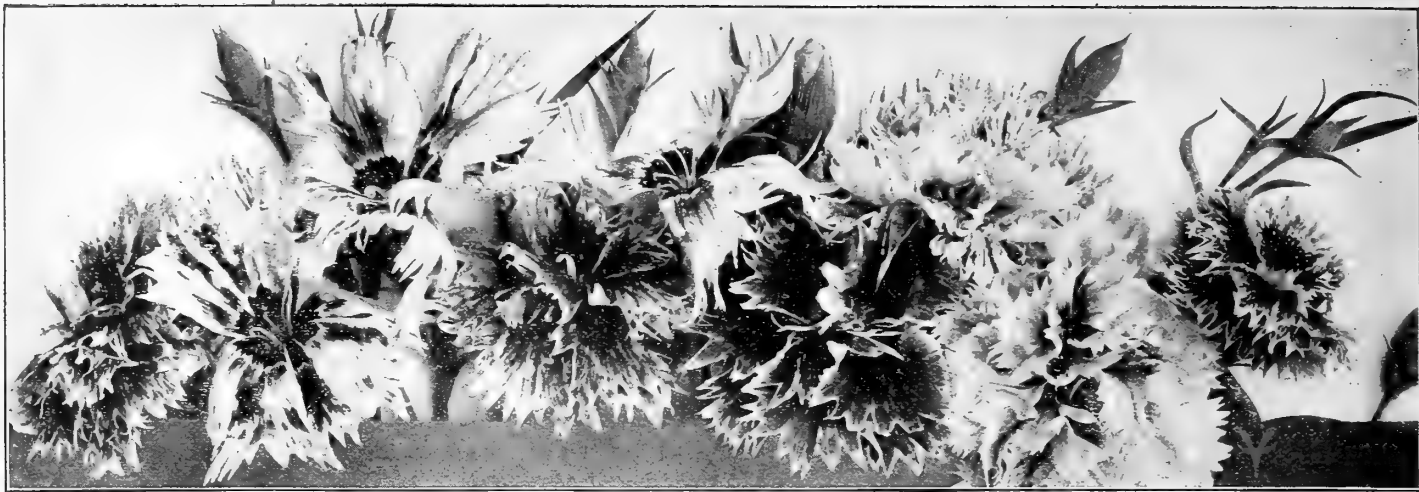
1222 Rosy Morn. Delicate rose color. Claret base.	
---	--

1223 Grandiflora Alba. The largest giant white grown.	
---	--

1224 Excelsior. White, with red base.	
---------------------------------------	--


Each of the above . . . . 10 seeds 20c; 100 seeds \$1.50 ..





DIANTHUS (Garden Pinks)

### Cyclamen—Continued

- 1225 **Saint George.** The foliage is beautifully margined Pkt.  
silver, not unlike Begonia Rex, flowers rich sal-  
mon.....10 seeds, 30 cts. 25 seeds 75
- 1226 **Mrs. L. M. Graves.** Brilliant salmon scarlet...10 seeds, 50
- 1227 **CYPERUS Alternifolius (Umbrella Plant)**   
1½ ft. Grows finely in water with rich soil or  
mud, throwing up long spikes with narrow green  
leaves, umbrella shape.....10

### Cypress Vine \$ 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

- 1228 **White**..... 1229 **Scarlet** .... ½ oz. 25c 05
- 1230 **Mixed**..... ½ oz. 20c 05
- 1231 **Ivy-Leaved Scarlet.** A rapid growing variety with  
deeply lobed, ivy-like leaves, and small scarlet flowers 05

### Dahlia 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

#### Single Flowering

- 1232 **Collarette, Mixed Colors.** Flowers of various colors,  
adorned with a collar of small petals around the cen-  
ter, novel and beautiful..... ¼ oz. 30c 10
- 1233 **Colossal.** The flowers are composed of three or more  
whorls of wide overlapping petals—one above the other.  
Stems are long and rigid, bearing flowers well above  
the foliage; the colors are rich and varied... ¼ oz. 30c 10
- 1234 **Twentieth Century.** Immense single flowers, 4 to  
6 inches across, white, marked carmine and pink;  
very handsome..... ½ oz. 30c 10
- 1235 **Giant Perfection Mixed.** The plants are of strong,  
robust habit, and produce in great abundance flowers  
of immense size, of the most bewildering variety of  
color..... ¼ oz. 25c 10
- 1236 **Striped Mixed**..... 10

#### Double Flowering.

- 1237 **Double Good Mixed**..... ¼ oz. 30c 05
- 1238 **Double Cactus Flowered Mixed.** With twisted and  
curled petals..... ¼ oz. 35c 15
- 1239 **Double Best Mixed.** Saved from show and fancy sorts. 15
- 1240 **VAUGHAN'S SPECIAL MIXTURE.** This mixture  
contains seeds from the best collections in  
Europe and embraces all the various strains of  
double-flowering Dahlias, such as Show,  
Pompon, Liliput and Cactus varieties, also  
the single flowering and striped sorts.....60 seeds 25




### Datura (Angel's Trumpet) 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

- 1242 **Cornucopia (Horn of Plenty).** Immense flowers, Pkt.  
triplicate in form, like three cones, one within the  
other, color rich violet, with white interior. ¼ oz. 20c 10
- 1243 **Golden Queen.** Very large double bright yellow  
flowers, a fine pot plant..... ¼ oz. 20c 10
- 1244 **Double White**..... ¼ oz. 15c 05
- 1245 **Double Fine Mixed**..... ¼ oz. 15c 05

### Delphinium (Larkspur)

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The **Emperor, Hyacinth-flowered** and **Branching** varieties bloom a little later than the **Stock-flowered**. Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

- 1261 **Stock-Flowered Lustrous Carmine**
- 1262 **Flesh Color** 1264 **White** 1266 **Bright Rose**
- 1263 **Lilac** 1265 **Dark Blue** 1267 **Violet**
- Each of the above..... ¼ oz. 30c; 1 oz. \$1.00 10
- 1269 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its  
name from the striking resemblance of the flowers to  
a double Hyacinth. Delicate colors. ¼ oz. 15c; 1 oz. 50c 05
- 1270 **Tall Rocket Mixed** 2½ ft. Throws up one single col-  
umn of bloom..... ¼ oz. 10c; 1 oz. 25c 05
- 1275 **Dwarf Rocket Mixed** 1 ft. .... ¼ oz. 10c; 1 oz. 25c 05
- 1276 **Emperor, White** 1278 **Emperor, Dark Blue**
- 1277 **Azure Blue** 1279 **Blackish-blue**
- 1280 **Violet**
- Each of the above..... 10
- 1281 **Emperor Mixed.** Produces an abundance of long,  
slender spikes in the most delicate colors... ¼ oz. 10c 05
- 1285 **VAUGHAN'S SPECIAL MIXTURE, Annual Lark-**  
spurs. A charming mixture containing all the  
bright and delicate shades, makes wonderful  
cut flower material and should be planted  
generously..... ¼ oz. 30c 10

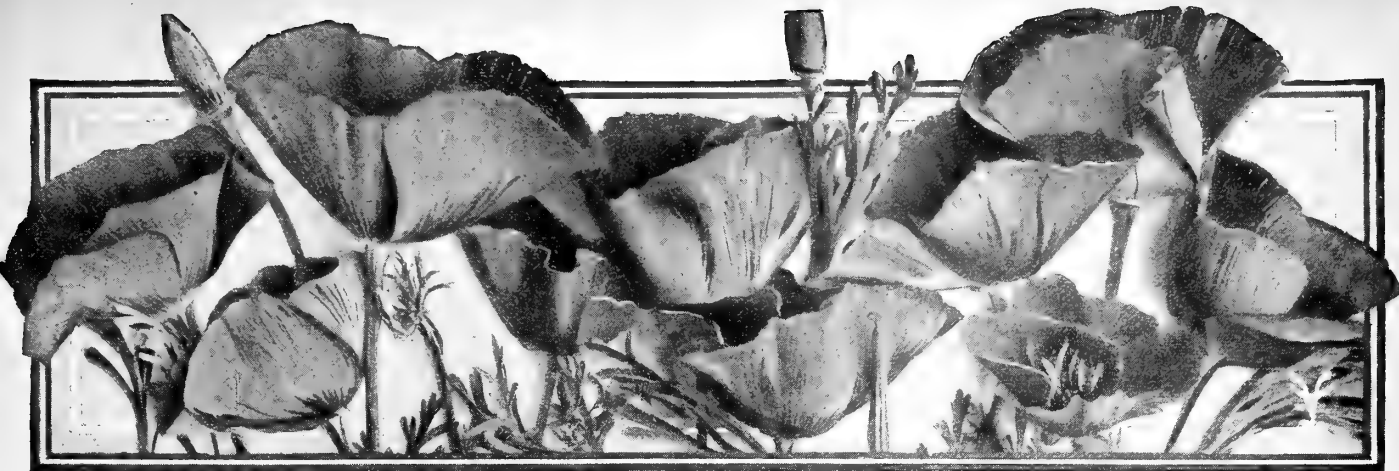
### Dianthus (Garden Pinks) 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

#### Single Flowering

- 1286 **Crimson Belle.** Large handsome flowers, crimson... 05
- 1287 **Eastern Queen.** Large and beautiful flowers, marbled  
rose and white..... ¼ oz. 20 05
- 1288 **Fairy Queen.** White with salmon center..... 05
- 1289 **Mephisto.** Salmon margined dark brown..... 05
- 1290 **Mirabilis. (Single Wonder Pink.)** The petals are  
deeply cut into fine strips of threadlike fringes. All  
shades from pure white to deep purplish red. ¼ oz. 25c 05
- 1291 **The Bride.** White with purple center..... ¼ oz. 25c 05
- 1292 **Vesuvius.** Bright geranium red..... ¼ oz. 25c 05
- 1293 **Chinese Single Mixed**..... ¼ oz. 15c 05

Perennial Delphiniums and Hardy Garden Pinks are offered on pages 100 and 101.



ESCHOLTZIA (California Poppy)

### Dianthus, Single Flowering—Continued

- |  | Pkt. |
|--|------|
| 1294 <b>Japan Single Mixed.</b> Great range of colors. . . . .   | 05   |
| 1295 <b>Laciniatus Mixed.</b> Single fringed flowers. . . . .  | 05   |
| 1326 <b>VAUGHAN'S SPECIAL MIXTURE, Single Pinks.</b><br>This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. . . . . | 10   |



### Dianthus, Double Flowering

- |   |    |
|---|----|
| 1327 <b>Chinensis Double Mixed.</b> Blooms in clusters, flowers very double and in a large range of colors. . . . .   | 05 |
| 1328 <b>Count Kerchove.</b> Dark red double flowers, each petal having a velvety black blotch. . . . .  | 10 |
| 1329 <b>Diadematus Double Mixed.</b> Beautiful flowers in various shades with the outer edges fringed and almost white. . . . .   | 05 |
| 1339 <b>Imperialis, Double Mixed.</b> Bushy grower. . . . .   | 05 |
| 1340 <b>Laciniatus, Double Mixed.</b> Flowers deeply lacinated  | 05 |
| 1341 <b>Mirabilis Flore Pleno. (Double Wonder Pink).</b><br>Flowers are like fringed balls in many attractive colors. . . . .   | 10 |
| 1342 <b>Mourning Cloak.</b> Flowers very dark velvety crimson, each petal being strikingly edged white. . . . .   | 05 |
| 1343 <b>Fireball.</b> Scarlet, compact, floriferous. . . . .  | 10 |
| 1344 <b>Snowball.</b> Compact, fringed white flowers. . . . .   | 10 |
| 1345 <b>VAUGHAN'S SPECIAL MIXTURE of Double Pinks.</b> Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed. . . . .                                | 10 |
| 1350 <b>VAUGHAN'S SPECIAL MIXTURE of Double and Single Pinks.</b> This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly. . . . . | 10 |



- |   |    |
|---|----|
| 1380 <b>DIDISCUS Coeruleus</b> ☉ 3 ft. Long stemmed lavender flowers; look like blossoms of Wild Carrot or Queen's Lace Handkerchief. A constant bloomer. The seed is slow in germinating. Sow in a medium hot frame, like Phlox or Verbena in February, or March. Seed will germinate after about 4 weeks. Keep frame closed until the seedlings form their leaves, then give plenty of air when weather permits. To be planted out in May in partial shade. . . . . | 10 |
| 1383 <b>DIMORPHOTHECA Aurantiaca. (Golden Star of the Veldt.)</b> ☉ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. . . . .   | 10 |
| 1384 <b>Aurantiaca Hybrida.</b> They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose. . . . .  | 15 |

### Dolichos (Hyacinth Bean) ☉ § 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

- |  |    |
|--|----|
| 1385 <b>Princess Helen (Daylight).</b> Snow white flowers followed by silvery white seed pods. . . . . | 05 |
|--|----|

### Dolichos—Continued

- |   | Pkt. |
|---|------|
| 1386 <b>Purple Soudan (Darkness).</b> Attractive rose-violet flowers with dark ruby-purple seed pods. . . . .   | 05   |
| 1387 <b>Mixed, all colors.</b> . . . .  | 05   |
| 1391 <b>Bush. Dwarf white.</b> . . . .  | 10   |
| 1392 <b>Lignosus (Australian Pea Vine.)</b> A rapid growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. . . . .   | 10   |
| 1396 <b>DRACAENA Indivisa</b> ⤴ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage. . . . .  | 10   |
| 1397 <b>Indivisa Lineata.</b> . . . .   | 10   |
| 1398 <b>Indivisa Latifolia.</b> . . . .   | 10   |
| 1399 <b>Australis.</b> . . . .  | 10   |
| 1400 <b>DRACOCEPHALUM Moldavicum</b> ☉. Ashowy annual producing long blue spikes. Fine for bees. . . . .  | 05   |
| 1402 <b>ECHEVERIA Mixed (Hen and Chickens)</b> ⤴ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny. . . . .  | 10   |
| <b>ERYSIMUM.</b> Handsome showy border and rock plants, much resembling Wallflowers; of great value for spring bedding.   |      |
| 1403 <b>Arkansanum.</b> Fine showy bright yellow flowers. . . . .   | 10   |
| 1404 <b>Perofskianum.</b> Flowers fragrant, brilliant orange and very showy in beds, borders, and on rock-work. Sow out of doors March and April for summer display, and in early autumn for spring decoration. . . . . | 10   |
| 1414 <b>ERYTHRINA Crista Galli (The Coral Tree.)</b> ⤴ 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. . . . .    | 10   |

### Escholtzia (California Poppy) ☉ 1 ft.

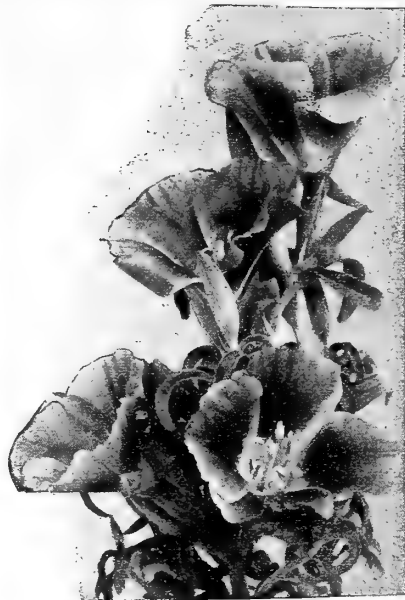
The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

- |  |     |
|--|-----|
| 1416 <b>Californica.</b> Large pale yellow, ¼ lb. 35c; 1 oz. 20c   | 05  |
| 1418 <b>Carmine King.</b> Beautiful carmine rose color, both on the interior and exterior of the flower. . . . .   | 10  |
| 1420 <b>Canaliculata Rosea.</b> Beautifully fluted flowers of a bright rosy pink. . . . .  | 05  |
| 1422 <b>Golden West.</b> Flowers bright yellow and orange, penciled and blotched. . . . .  | 05  |
| 1424 <b>Mandarin.</b> Inner side of the petals rich orange, the outer side brilliant scarlet. . . . .  | 05  |
| 1425 <b>Maritima.</b> Canary yellow with orange center, leaves grayish and finely cut. . . . .   | 05  |
| 1426 <b>Mikado.</b> Flowers lustrous orange-crimson, very brilliant. . . . .   | 05  |
| 1427 <b>Rose Cardinal.</b> Flowers pretty dark rose, inside blush. . . . .   | 05  |
| 1428 <b>Mixed, all colors.</b> Many shades. ¼ lb. 35c; 1 oz. 15c   | 05  |
| 1429 <b>Double and Semi-Double Mixed.</b> . . . .  | 10c |
| 1430 <b>VAUGHAN'S SPECIAL MIXTURE.</b> This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. . . . . | 10  |
| 1432 <b>EUCALYPTUS Globulus (Blue Gum)</b> ⤴. Admirable for sub-tropical bedding or greenhouse decoration. . . . .   | 10  |

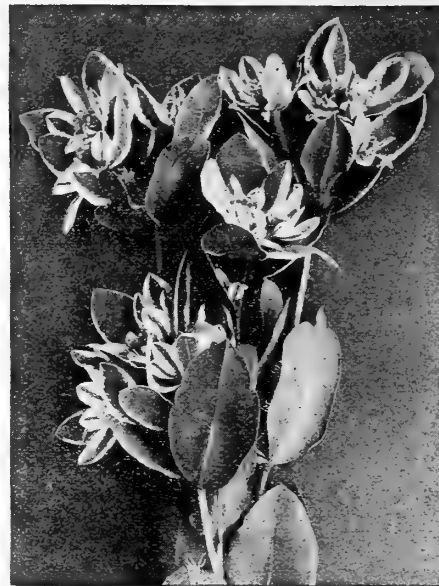




GAILLARDIA Lorenziana



GODETIA



EUPHORBIA Variegata

**Euphorbia** ☉ 2 ft.

Strong growing annuals, suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

- 1436 **Heterophylla (Mexican Fire Plant)**. Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About mid-summer the center top leaves of each branch turn a vivid orange scarlet. . . . . 1/4 oz. 15c 10
- 1438 **Variegata (Snow on the Mountain or Mountain Spurge)**. 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. . . . 10
- 1440 **EVERLASTINGS. Mixed** ☉ 1 to 2 ft. . . . . 1/4 oz. 15c 10
- For named sorts of Everlastings see *Acroclinium*, *Ammobium*, *Gomphrena*, *Helichrysum*, *Rhodanthe*, *Xeranthemum*, *Lunaria* and *Statice*.

**Freeseias**

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

- 1441 **Refracta Alba**. White. . . . . 05
- 1442 **Ragioneri Hybrids**. These are rapidly winning favor on account of their lovely and unique colorings and shadings, very delicate fragrance. Each principal spike usually carries 7 to 9 flowers. . . . . 15
- FOUR O'CLOCK**.—See *Mirabilis*.
- 1446 **FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed** ☉ 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early. . . 20

**Gaillardia (Blanket Flower)** ☉ 1 1/2 ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain. For perennial *Gaillardia* see page 103.

- 1447 **Amblyodon**. A strong-growing, half-hardy annual. Flowers deep red. . . . . 10
- 1448 **Picta Single Mixed**. . . . . 1/4 oz. 15c 05
- 1450 **Lorenziana Double Perfection Mixed**. Large handsome heads of double quilled flowers in rich shades of red and yellow. . . . . 1/4 oz. 20c 05
- 1451 **The Bride**. Double white. . . . . 10
- 1462 **CAURA Lindheimeri** ☉ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used for interspersing in beds of *Begonias*, *Geraniums*, etc., giving an air of grace to what would otherwise be stiff. . . . . 10

**Geranium** ☉ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- 1465 **Zonale Varieties**. Saved from a choice collection. . . 10
- 1466 **Large Flowering, Newest Varieties Mixed**. 50 seeds 15
- 1467 **Apple-scented**. Leaves fragrant. . . . . 25 seeds 10
- 1468 **Lady Washington (Odier)**. Large flowering, beautifully blotched. . . . . 25 seeds 20

- Pkt. 1469 **GERBERA Jamesoni Hybrids**. ☉ The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades. . . . . 10 seeds 25
- 1470 **GILIA Mixed** ☉ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. . . . . 1 oz. 20c 05
- 1471 **GLAUCIUM Luteum (Horn Poppy)** ☉ 3 ft. The ornamental glaucous grey foliage of the Horned Poppy is set off by very showy yellow flowers. A fine plant for wild gardens, etc., delighting in poor sandy soil. . . 05
- 1472 **GLOXINIA. Vaughan's International Mixture** ☉ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. This contains the finest European strains. . . . . 25
- 1473 **Fine Mixture**. . . . . 10

**Godetia** ☉ 1 1/2 ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

- 1474 **Duchess of Albany**. Pure white. . . . . 1/4 oz. 15c 05
- 1475 **Gloriosa**. Deep blood red. . . . . 1/4 oz. 25c 05
- 1476 **Rosamunde**. Fiery rose. . . . . 1/4 oz. 25c 05
- 1477 **Lady Satin Rose**. Bright carmine. . . . . 1/4 oz. 25c 05
- 1478 **The Bride**. White and red. . . . . 1/4 oz. 15c 05
- 1479 **Many Sorts and Colors Mixed**. . . . . 1/4 oz. 10c 05
- 1480 **Dwarf Sorts Mixed**. Neat globular bushes about 10 inches in height. . . . . 1/4 oz. 15c 05
- 1481 **GOMPHRENA Globosa Alba**, White (*Globe Amaranth*). Clover-like heads everlasting. . . . . 05
- 1482 **Rubra**, Red. . . . . 05
- 1483 **Orange**. . . . . 05
- 1484 **Mixed, all colors**. . . . . 1/4 oz. 10c 05

**Gourds** ☉ \$ 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

- 1486 **Apple-shaped**. Beautifully striped. . . . . 05
- 1487 **Bottle**. The original Thermos bottle. Used by the pilgrims in the orient. . . . . 05
- 1488 **Calabash or Pipe Gourd**. Odd-shaped fruit which is used to an advantage in making pipes. . . . . 15
- 1489 **Dipper**. Makes an excellent dipper. . . . . 10
- 1490 **Dishcloth or Towel**. Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left. . . . 05
- 1492 **Hercules Club**. Fruit grows 3 to 4 ft. long. . . . . 05
- 1493 **Japanese Bottle**. . . . . 05
- 1494 **Japanese Nest Egg**. Fruit looks exactly like a hen's egg and may be used as nest eggs. . . . . 05



**GOURDS—Continued**

- 1495 **Knob Kerrie.** The fruits are of fantastic shape. To the Pkt.  
ball-like base—3 to 4 inches in diameter—is attached a  
slender handle or stem, 2 and often 3 feet in length.  
While developing they are deep green in color, changing  
as they mature to a richly mottled yellow. 10
- 1496 **Orange.** The well known Mock Orange. 05
- 1498 **Ornamental Pomegranate** or Queen's Sweet Pocket  
melon. Fruit deliciously perfumed and may be car-  
ried in the pocket or laid among linens. 05
- 1500 **Pear Shaped.** Striped yellow and green. 05
- 1502 **Sugar Trough.** Thick shells, very durable. 05
- 1504 **Spoon.** Small ball shaped fruit with slender necks,  
deep orange, whitish and dark olive green. By slicing  
off a part of the side of the bowl a satisfactory  
spoon may be made. 05
- 1505 **Turk's Turban.** Odd brightly colored fruit. 05
- 1506 **Small Fruited Varieties Mixed.** 1 oz. 25c; ½ oz. 15c 05
- 1510 **Mixed, all varieties.** 1 oz. 25c; ½ oz. 15c 05

- 1515 **GRASSES—Ornamental Mixed** ☉ 2 to 5 ft. These are  
most useful for winter bouquets when combined with  
everlasting flowers. They are easily grown in any soil. 10

**Grasses, Ornamental,** see *Agrostis Nebulosa*, *Briza Maxima*; *Coix*  
*Lachrymæ*, *Cyperus Alternifolius*; *Pennisetum Longistylum*; *Pennisetum*  
*Ruppelianum*; *Zea Japonica*.

- 1520 **GREVILLEA Robusta (Silk Oak)** ↘ 1 to 5 ft. It is  
easy to manage, grows rapidly from seed, and is pretty  
in all stages of growth; with its long drooping silky  
foliage it reminds one of a palm or fern. Makes a fine  
plant for the center of fern dishes. 10

**Gypsophila** ☉ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting  
and combining with other flowers for bouquets and vases. For Perennial variety  
see page 103.

- 1522 **Elegans Grandiflora Alba (Angel's Breath.)** This  
is an improved, large-flowering, pure white, of free,  
easy growth. Several sowings should be made during  
the season to keep up a supply. ½ oz. 10c 05
- 1523 **Elegans Carminea.** ½ oz. 10c 05
- 1524 **Elegans Rosea.** Soft pink. ½ oz. 10c 05
- 1525 **Muralis.** 6 in. A lovely little rock or edging plant  
with rose-pink flowers. ¼ oz. 25c 05

**Helianthus (Sunflower)** ☉

These comprise plants of majestic growth and immense showy flowers,  
suitable for shrubberies, woodlands, wild gardens and subtropical gardening;  
the dwarf kinds, with smaller flowers, are charming when grouped in mixed  
flower borders. Excellent for cutting.

- 1526 **Annus Purpureus, (Red Sunflower.)** 4 to 8 ft.. Some  
flowers of a rich chestnut-red color, others tipped with  
yellow and others slightly washed with red. The  
flowers vary from a few inches to nearly a foot in  
diameter, and are of good form, usually having a small  
disc, and often two rows of long, slightly curled rays. 10
- 1527 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single  
bright yellow flowers enhanced by a black disk, perfect  
pyramidal growth. A specimen plant will attain the  
shape of a Christmas tree, the flowers having the effect  
of candles. ½ oz. 15c 05
- 1528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 15c 05
- 1529 **Chrysanthemum Flowered Double.** 6 ft. Golden  
yellow flowers. 1 oz. 15c 05
- 1530 **Double Mixed.** 1 oz. 15c 5
- 1531 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or  
dahlia sunflower. Flowers a rich saffron color. 1 oz. 15c 05
- 1532 **Primrose Queen Double.** These grow 5 to 6 ft. in a  
season, and large numbers of medium-sized pale sul-  
phur yellow flowers are produced on short straight stems 10
- 1533 **Liliput Baby Sunflower.** 6 to 8 in. The plants are  
of a somewhat creeping growth, similar to those of  
Verbenas. Flowers are single bright yellow, with dark disc 10
- 1534 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful  
for massing in beds. 1 oz. 20c 05
- 1535 **Russian Mammoth.** Single, of gigantic dimensions.  
For larger amounts see Farm seed pages. 1 oz. 05c 05
- 1536 **Cucumerifolius Double Mixed.** 10
- 1537 **Cucumerifolius Mixed or Cut and Come Again.**  
Quite a distinct variety. Wonderfully useful for garden  
display, and especially for cutting. Flowers with  
lavish profusion. ¼ oz. 20c 10
- 1538 **VAUGHAN'S SPECIAL MIXTURE** of all  
the single and double sunflowers. ½ oz. 25c 10  
(See also Perennials.)



**HELICHRYSUM (Straw-Flower)**

**Helichrysum** ☉ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are Pkt.  
everywhere prized for the winter decoration of vases, and for durable  
bouquets. Flowers intended for drying should be gathered when partially  
unfolded and suspended with their heads downward in a cool place. See  
front cover page.

- 1546 **Silver Ball.** White. 1550 **Salmon Queen.**  
1547 **Fire Ball.** Red. Salmon Pink.  
1548 **Golden Ball.** Yellow. 1551 **Violet Queen.** Violet.  
1549 **Rose Queen.** Carmine rose.  
Each of the above, pkt., 10c.  
1552 **Mixed, all colors.** ½ oz. 20c 05
- 1553 **VAUGHAN'S SPECIAL MIXTURE.** A  
large flowering strain containing the above  
and other grand colors. 15



**Heliotrope** ↘ 2 ft.

In bloom during the whole season. Its delightful perfume makes it a  
most desirable bouquet flower; a splendid bedding plant, or can be trained as  
a greenhouse climber. Seed started indoors in the spring will make fine plants  
for summer blooming. Can also be sown outdoors in May.

- 1555 **Mammoth Mixed.** Flowers of great size and ranging  
in shade from dark blue to lilac. ½ oz. 50c 10
- 1560 **Fine Mixed.** ½ oz. 25c 05
- 1565 **HELIPTERUM Sandfordii** ☉ 1½ ft. Bright yellow  
everlasting half-hardy annual; flowers in large heads 05

**Hollyhocks (Annual)** ☉ 5 ft.

This strain blooms the first year from seed. The plants branch freely  
and continue to flower throughout the summer. The seeds may be sown in a  
hot-bed in February.

- 1571 **Everblooming Single Mixed.** Large single flowers  
exhibiting every shade known in Hollyhocks. ½ oz. 25c 05
- 1575 **Everblooming Double Mixed.** Double and semi-  
double. 10
- (For other Hollyhocks see Perennial List.)

**Humulus Japonicus (Japanese Hop)** ☉ \$20ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering.  
It is one of the best plants for covering verandas, trellises, etc. Heat, draught  
and insects do not trouble it.

- 1580 **Green Leaved.** ¼ oz. 10c 05
- 1582 **Variegated Leaved.** Foliage white and green, beauti-  
ful and very effective. ¼ oz. 10c 05



MORNING GLORY, JAPANESE—Vaughan's Special Mixture

- 1590 **HUNNEMANNIA Fumariaefolia** (Bush Escholtzia) Pkt.  
 ♂ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. . . . ¼ oz. 20c 05

**HYACINTH BEAN.** See *Dolichos*.

- 1595 **ICE PLANT** (*Mesembryanthemum Crystallinum*.)  
 ♂ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. ¼ oz. 15c 05

### **Impatiens (Zanzibar Balsam)** ♂ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

- 1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet. . . . 15  
 1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet. . . . 15  
 1605 **Sultani.** Rosy flowers, glossy green foliage. . . . 10  
 1610 **IONOPSIDIUM Acaule** (Violet Cress) ♂ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers; it thrives best in damp or shady situations, such as the foot of rockwork. . . . ⅓ oz. 30c 10

### **Ipomoea (Moonvine)** ♂ \$ 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

- 1615 **Bona Nox** (Evening Glory). Violet flowers, large and fragrant. . . . 1 oz. 25c 05  
 1617 **Coccinea** (Star Ipomoea). Small scarlet flowers in great profusion. . . . 1 oz. 20c 05  
 1619 **Mexicana Grandiflora Alba** (White Moon Flower) Covered with large white flowers every evening and cloudy day. Seeds should be started inside. . . . ½ oz. 25c 10  
 1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers. . . . ½ oz. 30c 10

Perennial Flower Seeds are offered in separate list on pages 95 to 113.

### IPOMOEA—Continued

- 1622 **Imperialis** (Japanese Morning Glory) Fine Mixed Pkt.  
 The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. They will not endure the neglect and cold that the common Morning Glory almost seems to enjoy. 1 lb. \$1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c. . . . 05  
 1625 **VAUGHAN'S SPECIAL MIXTURE.** Japanese Morning Glories. The colors run from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. 1 lb. \$3.00; ¼ lb. \$1.00; 1 oz. 30c; ½ oz. 20c. . . . 10  
 1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber. . . . ¼ oz. 25c 10  
 1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous. . . . ½ oz. 30c 10  
 1632 **Rubro-Coerulea** (Heavenly Blue). Deep azure blue flowers delicately shading to white towards the center. . . . ½ oz. 35c 10  
 1633 **Early Flowering Rubra Coerulea** . . . 10  
 1634 **Sanguinea.** Flowers brilliant blood crimson. . . . 10  
 1635 **Setosa** (Brazilian Morning Glory). Rosy pink flowers. . . . 1 oz. 25c 05

For other Morning Glories, see *Convolvulus*.

**JOB'S TEARS.** See *Coix Lachrymae*, page 75.

**KUDZU VINE.** See *Pueraria*, page 111.

- 1640 **KOCHIA Tricophylla** (Summer Cypress, Burning Bush.) ♂ 2½ ft. Forms symmetrical bush resembling a closely-sheared evergreen, foliage light green turning to blood-red in autumn, and remaining decorative until cut down by frost, a valuable border plant. . . . ½ oz., 15c 05  
 1645 **LANTANA Hybrida.** Mixed ♂ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. 05  
 1646 **Dwarf Hybrids.** Mixed. . . . 10  
**LARKSPUR**, see pages, Annuals 76 and Perennials 100.

### **Lavatera** ♂ 2½ ft.

The *Lavateras* or Annual Malloes are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

- 1653 **Arborea Variegata.** A handsome foliage plant, with leaves beautifully splashed white; it makes a noble specimen plant for lawns or subtropical gardens. . . . 10  
 1654 **Splendens Alba.** Very large silky pure white flowers. 10  
 1655 **Splendens Rosea.** Very large bright rose flowers. 10  
 1656 **Trimestris.** Light rose, with silvery streaking. . . . 10  
 1657 **LAYIA Elegans** (Tidy Tips). ♂ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Sow in spring to flower in early summer, and in autumn to bloom in spring. . . . 10  
 1658 **ELEGANS Semi-Pleno** . . . 10  
 1659 **LEPTOSYNE Stillmani** ♂ 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. . . . 10  
 1665 **LINUM Grandiflorum Rubrum** (Crimson Flax) ♂ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. . . . 1 oz. 15c 05

### **Lobelia Erinus Compacta** ♂

This charming class form compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

- 1675 **Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye. . . . 10  
 1676 **Crystal Palace Compacta.** Deepest blue, dark foliage. . . . ⅓ oz. 30c 10  
 1677 **Emperor William.** Clear sky blue with green foliage. 10  
 1681 **Pumila Rosea.** Dwarf pink. . . . 10

## Lobelia Erinus—Continued

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

1682	<b>Hamburgia.</b> Large flowering dark blue. . . . .	1/8 oz., 60c	10
1683	<b>Speciosa.</b> True, dark blue, dark foliage. . . . .	1/8 oz., 20c	05
1684	<b>Sapphire.</b> Wonderful large, deep blue flowers. This is set off by the pure white eye which occupies nearly one-third of the corolla. . . . .		15
1685	<b>Mixed, all colors.</b> . . . .	1/8 oz. 15c	05
1690	<b>LOPHOSPERMUM Scandens</b> ☉ \$ 10 ft. Showy, rosy, purple Foxglove-like flowers. . . . .		10
<b>LOVE-IN-THE-MIST.</b> See <i>Nigella</i> .			

## Lupinus ☉ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

1700	<b>Hartwegii, White.</b> Pure white flowers. . . . .	1/2 oz., 25c	10
1701	<b>Hartwegii, Blue.</b> The flowers of a delicate mist-like blue. . . . .	1/2 oz., 25c	10
1702	<b>Hybridus Atro-coccineus.</b> Large spikes of scarlet white-tipped flowers. . . . .		10
1704	<b>Cruickshanki.</b> Flowers large, fragrant white, the standard yellow, rose becoming violet. . . . .		10
1705	<b>Tall Annual Varieties Mixed.</b> . . . .	1 oz. 15c	05
1706	<b>Dwarf Annual Varieties Mixed.</b> 1 ft. . . . .	1 oz. 15c	05
(See also <i>Perennials</i> ).			

**MALOPE (Mallow-wort).** 2 ft. Showy plants for large mixed flower and shrubby borders. The flowers are large and handsome.

1707	<b>Grandiflora Alba.</b> Large white flowers. . . . .	1/4 oz., 20c	05
1708	<b>Rosea.</b> Flowers large, bluish shaded pink towards center. . . . .	1/4 oz., 20c	05

## Marigold (Tagetes) ☉

In autumn, when many bedding and other plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as *Salpiglossis* and *Zinnias*.

### Double Tall African Varieties 5 ft.

1722	<b>Eldorado.</b> Extremely large and imbricated double flowers in yellow shades. . . . .	1/4 oz. 10c	05
1723	<b>Lemon Queen.</b> . . . .	1/4 oz., 20c	05
1724	<b>Orange Queen.</b> . . . .	1/4 oz., 20c	05
1725	<b>Tall African Mixed.</b> Large double flowers. . . . .	1/2 oz. 15c	05
1726	<b>Tall French Mixed.</b> Large bushes covered with a multitude of small double flowers. . . . .	1/2 oz. 15c	05
1727	<b>VAUGHAN'S SPECIAL MIXTURE Tall Marigolds</b> Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed. . . . .	1/4 oz. 20c	10

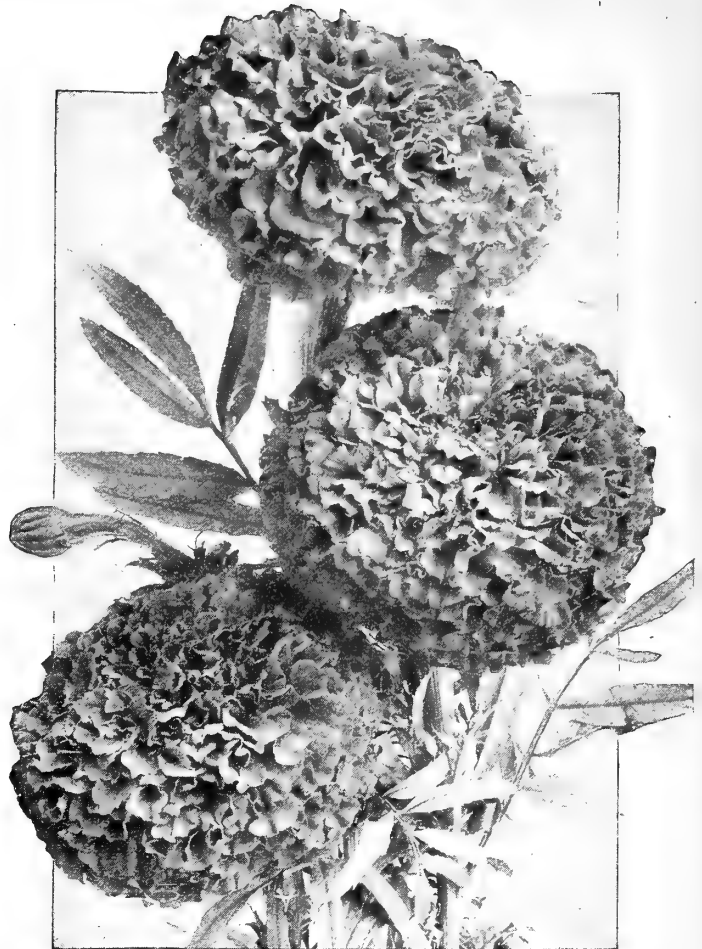


### Double Dwarf African

1728	<b>Mixed (Pride of the Garden)</b> 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. . . . .	1/2 oz. 15c	05
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### Dwarf French Double Sorts 10 in.

1729	<b>Aurora.</b> Clear soft yellowish-pink, very distinct. . . . .		05
1730	<b>Electric Light.</b> Sulphur-yellow, brown-red stripes and spots. . . . .	1/2 oz. 15c	05
1731	<b>Gold Striped.</b> Velvety maroon, striped gold. . . . .	1/4 oz., 15c	05
1732	<b>Dwarf French Double Mixed.</b> Low bushes covered with small flowers. . . . .	1 oz. 25c; 1/2 oz. 15c	05
1733	<b>Golden Liliput.</b> Flowers very double. . . . .		05
1735	<b>VAUGHAN'S SPECIAL MIXTURE of Dwarf Marigolds.</b> These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors, especially purchased for it. . . . .	1/4 oz. 20c	10



MARIGOLD—Double Tall African

### MARIGOLD—Continued

#### Single Dwarf Varieties

1736	<b>Gilt Edge.</b> Velvet maroon, edged with yellow. . . . .		05
1737	<b>Golden Star.</b> Flowers have golden yellow petals with purple red streaks radiating from the center. . . . .		10
1746	<b>Legion of Honor.</b> Flowers rich golden yellow, marked with velvety brown, best for edging. . . . .	1/2 oz. 15c	05
1747	<b>Silver King.</b> Light sulphur-yellow with brown spots. . . . .		05

**POT MARIGOLD.** See *Calendula*.

**MARVEL OF PERU.** See *Mirabilis*.

#### Matricaria

1748	<b>Capensis fl. pl. (Feverfew).</b> Double white. 1/4 oz., 15c		05
1749	<b>Capensis Alba Plenissima.</b> ☉ 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as biennials or annuals		10
1750	<b>Eximea, Golden Ball.</b> 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers		15
1751	<b>MATTHIOLA Bicornis (Evening-scented Stock.)</b> ☉ 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance. . . . .	1 oz. 25c	05
1752	<b>MAURANDIA Mixed</b> ☉ \$ 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color. . . . .		10
1754	<b>MELOTHRIA Punctata</b> ☉ \$ 10 ft. Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth and potted and taken inside. Gooseberry shaped fruit. . . . .		10





NICOTIANA AFFINIS

MIGNONETTE  
Vaughan's Giant  
Machet**Mignonette (Reseda) ☉ 6 to 12 in.**

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

- |      |  |                        |    |
|------|--|------------------------|----|
| 1755 | <b>Bismarck.</b> The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious.....  | 1/8 oz. 15c            | 10 |
| 1756 | <b>Gabriele.</b> Very sweet; spikes very thick; one of the best for out of doors.....  | 1/4 oz. 15c            | 05 |
| 1757 | <b>Golden Queen.</b> Yellow.....   |                        | 05 |
| 1758 | <b>Goliath.</b> Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter.....  | 1/8 oz. 15c            | 10 |
| 1760 | <b>Grandiflora.</b> Large flowered.....  | 1/4 lb. 25c; 1 oz. 10c | 05 |
| 1761 | <b>Giant White Spiral.</b> Flowers silvery-white and sweet scented.....  | 1/4 oz. 15c            | 05 |
| 1762 | <b>Machet.</b> It is the best Mignonette for all purposes either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall.....   | 1/4 oz. 25c            | 10 |
| 1764 | <b>New York Market.</b> This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower..   | 250 seeds              | 25 |
| 1766 | <b>Pyramidal Large-Flowering.</b> Tall-growing variety splendid for cutting.....   | 1/8 oz. 15c            | 05 |
| 1767 | <b>White Pearl</b> .....   |                        | 05 |
| 1770 | <b>Mixed.</b> Many shades and types... 1 oz. 15c; 1/2 oz. 10c  |                        | 05 |
| 1772 | <b>MIMOSA Pudica (Sensitive Plant) ☉ 1 ft.</b> Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken.....  | 1/4 oz. 15c            | 05 |
| 1773 | <b>MIMULUS Moschatus (Musk Plant) ☉</b> Musk scented leaves, tiny yellow flowers.....  |                        | 10 |
| 1774 | <b>Tigrinus (Monkey Flower). ☉ 10 in.</b> Queen's Prize Single Mixed. Dwarf bushy plants, with large gloxinia-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped.....                          | 1/8 oz. 25c            | 05 |
| 1775 | <b>Tigrinus Fl. Pl. (Double Monkey Flower)</b> mixed...  |                        | 10 |
| 1778 | <b>MINA Lobata ☉ \$ 12 ft.</b> A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded..... |                        | 10 |
| 1779 | <b>Sanguinea.</b> 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat.....  | 1/2 oz. 15c            | 10 |

**MONKEY FLOWER.** See Mimulus.

**MORNING GLORY.** See Convolvulus and Ipomoea.

**MOURNING BRIDE.** See Scabiosa.

**Mirabilis ☉ 2 ft.****(Marvel of Peru or Four O'Clocks)**

This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

- |      |  |                        |    |
|------|--|------------------------|----|
| 1780 | <b>Mixed, all sorts and colors</b> .....   | 1/4 lb. 30c; 1 oz. 15c | 05 |
| 1782 | <b>Variegated Leaved Mixed</b> .....   | 1 oz. 15c              | 05 |
| 1784 | <b>Dwarf Mixed.</b> 12 in.....   | 1 oz. 20c              | 05 |
| 1785 | <b>Sweet-Scented (Longiflora Alba).</b> Flowers white and very fragrant.....   | 1 oz. 20c              | 05 |
| 1786 | <b>MUSA Ensete (Abyssinian Banana). ☉ 6 ft.</b> A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds germinate easily if started in hot-bed or bottom heat in greenhouse..... | 10 seeds               | 20 |

**MUSK PLANT.** See Mimulus.

**NASTURTIUM.** See pages 83-84.

**Nemophila (Grove Flower) ☉ 6 in.**

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

- |      |  |             |    |
|------|--|-------------|----|
| 1915 | <b>Holborn Bluebell.</b> Ultramarine blue, white throat; makes an effective border.....                                | 1/4 oz. 25c | 10 |
| 1916 | <b>Insignis Blue.</b> A popular plant for pots or borders.....   | 1/4 oz. 25c | 10 |
| 1917 | <b>Insignis Alba.</b> White variety.....   | 1/4 oz. 25c | 10 |
| 1918 | <b>Maculata.</b> White, purple blotch.....   | 1/4 oz. 25c | 10 |
| 1919 | <b>Mixed, all colors.</b> Cup-shaped flowers in many bright colors, the blue shades being particularly attractive..... | 1/2 oz. 15c | 05 |

**Nicotiana (Sweet Scented Tobacco Plant.) ☉ 2 ft.**

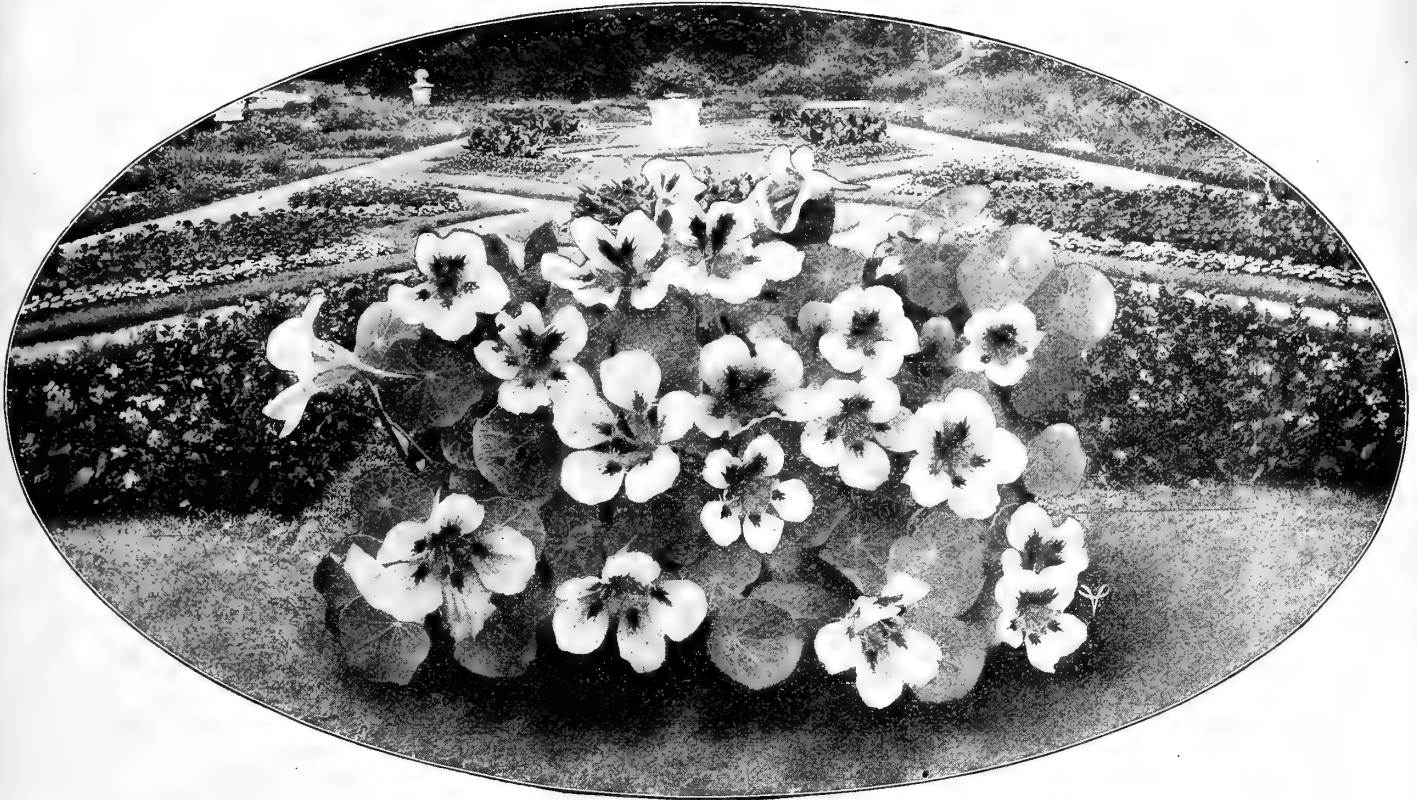
One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open toward evening and emit a powerful perfume.

- |      |  |             |    |
|------|--|-------------|----|
| 1920 | <b>Affinis.</b> Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter.....  |             | 05 |
| 1921 | <b>Affinis Wine-red</b> .....  |             | 05 |
| 1925 | <b>Affinis Hybrida.</b> Splendid hybrids in blue, red and rose, etc., shades.....  | 1/8 oz. 15c | 05 |
| 1926 | <b>Sanderae.</b> A lovely hybrid Tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rosy carmine flowers; a valuable border plant, from summer to autumn.....                  | 1/8 oz. 15c | 05 |
| 1928 | <b>Sanderae Hybrids.</b> All shades.....   | 1/8 oz. 15c | 05 |
| 1930 | <b>Sylvestris.</b> 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure-white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening.... | 1/4 oz. 15c | 05 |

# DWARF NASTURTIUMS

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf

Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are a rich velvety red.



## Green and Dark Leaved Varieties

- |      |  |                         |
|------|--|-------------------------|
| 2305 | <b>Aurora.</b> Chrome yellow blotched crimson.   | Pkt.                    |
| 2306 | <b>Beauty.</b> Scarlet splashed canary.  |                         |
| 2307 | <b>Bronze.</b> Burnt bronze color, dark leaved.  |                         |
| 2308 | <b>Chameleon.</b> Is unique in bearing flowers of quite distinct coloring on one and the same plant. |                         |
| 2309 | <b>Crystal Palace Gem.</b> Sulphur spotted maroon.   |                         |
| 2310 | <b>David Burpee.</b> Velvety purple-scarlet flowers; foliage wavy emerald green.                     |                         |
| 2311 | <b>Empress of India.</b> Very dark leaves, crimson flowers.  |                         |
| 2312 | <b>Golden King.</b> Pure golden yellow.  |                         |
| 2313 | <b>King of Tom Thumbs.</b> Intense deep scarlet, dark foliage.                                       |                         |
| 2314 | <b>King Theodore.</b> Velvety red flowers, dark foliage.   |                         |
| 2315 | <b>Laciniatum Mixed.</b> The flowers are deeply lacinated and appear in many attractive colors.      |                         |
| 2318 | <b>Lady Bird.</b> Orange, striped bright scarlet.  |                         |
| 2319 | <b>Othello.</b> Dark leaved and dark purple lacinated flowers.                                       |                         |
| 2320 | <b>Pearl.</b> Creamy white.  |                         |
| 2321 | <b>Prince Henry.</b> Yellow marbled with scarlet.  |                         |
| 2322 | <b>Regelianum.</b> Rich crimson.   |                         |
| 2323 | <b>Ruby King.</b> Ruby red, dark leaved.   |                         |
| 2324 | <b>Scarlet.</b> Dark scarlet.  |                         |
|      | 2325 <b>Vesuvius.</b> Salmon rose.   |                         |
|      | Each of above.....   | 1/4 lb. 25c; oz. 10c 05 |

## Fancy and Variegated Leaved Varieties

- |      |   |                                      |
|------|---|--------------------------------------|
| 2326 | <b>Golden Cloth.</b> The foliage is of bright yellow, while the flowers are intense scarlet.  | Pkt.                                 |
| 2327 | <b>Ivy Leaved Mixed.</b> Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.  |                                      |
| 2329 | <b>Queen of Tom Thumbs.</b> Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture. |                                      |
| 2330 | <b>Spencer Mixed.</b> The curly foliage is very unique and the flowers appear in many bright colors.  |                                      |
|      | Each of above.....  | 1/4 lb. 25c; oz. 10c 05              |
| 2331 | <b>Dwarf Mixed.</b> .....   | 1 lb. 70c; 1/4 lb. 20c; 1 oz. 10c 05 |
| 2336 | <b>COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES.</b> Our choice.....   | 1 pkt. of each 35c                   |
| 2337 | <b>COLLECTION No. 2 OF DWARF NASTURTIUMS 10 VARIETIES.</b> Our choice.....  | 1 oz. of each 75c                    |
|      | <b>PANSY,</b> see page 85.  |                                      |

**2335 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS.** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.... 1 lb. \$1.50; 1/4 lb. 45c; 1 oz. 15c



10

- |      |   |
|------|---|
| 2592 | <b>PASSIFLORA Coerulea Grandiflora (Passion Flower)</b> Pkt.  |
|      | ⌘ \$ 15 ft. <b>Southern Beauty.</b> A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit..... |
| 2593 | <b>Gracilis.</b> Blue and white.....  |
|      | 10  |

- |      |  |                |
|------|--|----------------|
| 2594 | <b>PASSIFLORA Incarnata.</b> Flesh colored, sweet scented.   | Pkt. 10        |
| 2595 | <b>PENNISSETUM Longistylum</b> ⌘ 2 1/2 ft. An Abyssinian grass with long feathery bearded bristles.....            | 1/2 oz. 20c 10 |
| 2596 | <b>Ruppelianum.</b> The spikes are longer and more graceful. Used to border canna beds.....                        | 1/4 oz. 20c 10 |
| 2597 | <b>PERILLA Nankinensis</b> ⌘ 1 1/2 ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves..... | 05             |

# TALL NASTURTIUMS

○ 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

- 2350 **MADAM GUNTHER'S HYBRIDS.** For richness and Pkt.  
variety of color these hybrids have no equal among  
Nasturtiums. It is impossible to describe all the dif-  
ferent colors.....1 lb. \$1.00; ¼ lb. 30c; 1 oz. 10c 05

## Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

- 2355 **Black Prince.** Velvety black flowers, dark foliage.  
2356 **Butterfly.**  
2357 **Blushing Beauty.** Ivy leaved. Flowers soft yellow,  
spotted with terra cotta.  
2358 **Cardinal.** Scarlet flowers, dark foliage.  
2359 **Emma Alida.** Dark ivy-leaved foliage, with golden  
yellow, orange and deep scarlet lacinated flowers.  
2360 **Flamingo.** A beautiful new variety with magnificent  
lacinated orange flowers.  
2361 **King of the Blacks.** Black-red, dark leaves.  
2362 **Mourning Bride.** The leaves are dark and Ivy  
shaped. The flowers are a velvety dark crimson.  
2363 **Princess Juliana.** Dark ivy-leaved foliage, with deep-  
ly cut flowers of orange yellow, spotted red brown.  
2364 **Queen Alexandra.** Variegated leaves, flowers blood  
red, marbled and mottled.  
2365 **Queen Emma.** Variegated leaves, deep scarlet flowers.  
2366 **Queen of the Morning.** Variegated leaves, flowers  
aurora colored.  
2367 **Virchow (Rose Queen).** The best pink.  
Each of the above, oz. 10c; pkt. 5c.  
2368 **LOBB'S MIXED.** The strongest growing, attaining the  
greatest height.....1 lb. 75c; ¼ lb. 25c; 1 oz. 10c 05  
2370 **TALL MIXED, all sorts.** 1 lb. 60c; ¼ lb. 20c; 1 oz. 10c 05  
2372 **COLLECTION No. 3 TALL NASTURTIUMS, 10**  
**VARIETIES.** Our choice.....1 pkt. of each 35c  
2373 **COLLECTION No. 4 TALL NASTURTIUMS, 10**  
**VARIETIES.** Our choice.....1 oz. of each 75c

## Green and Dark Leaved Varieties

- 2338 **Chameleon.** Is unique in bearing flowers of quite  
distinct coloring on one and the same plant.  
2339 **Dunnett's Orange.** Bright orange flowers.  
2339a **Edward Otto.** Brownish lilac.  
2340 **Fordhook Fancy.** Terra cotta on yellow ground, dark  
leaved.  
2341 **Heinemanni.** Chocolate color, odd.  
2341a **Hemisphericum.** Orange.  
2342 **Jupiter.** Strong running growth and large, rich golden  
yellow flowers.  
2343 **King Theodore.** Rich deep crimson flowers; dark leaves.  
2344 **Pearl.** Creamy white.  
2345 **Prince Henry.** Light yellow, marbled scarlet.  
2346 **Regelianum.** The best rich crimson.  
2346a **Shillingi.** Bright yellow and maroon blotches.  
2346b **Scheuermanni.** Straw color, spotted.  
2346c **Scheuermanni Coccineum.** Scarlet striped.  
2347 **Twilight.** Bright yellow, marbled salmon rose.  
2347b **Vesuvius.** Salmon rose, dark leaved.  
2347c **Von Moltke.** Bluish rose.

## Fancy and Variegated Leaved Varieties

- 2348 **Golden Cloth.** Scarlet flowers with yellow foliage.  
See Lobb's Nasturtiums.  
Each of above, except where noted, pkt. 5c; oz. 10c; ¼ lb. 25c

- 1931 **NIEREMBERGIA Gracilis** ○ 6 in. Flowers white,  
shading to and veined lavender, an exceedingly-grace-  
ful plant for hanging baskets, rockwork, etc..... 05  
1932 **NIGELLA Mixed (Love-in-the-Mist)** ○ 1½ ft. A  
compact, free flowering plant with finely cut foliage,  
curious looking seed pods; of easy culture, growing in  
any garden soil. Blue and white mixed.....1 oz. 15c 05  
1934 **Miss Jekyll.** A lovely variety, bearing on long stems  
large deep blue flowers. Very effective if planted  
with Escholtzias.....½ oz. 25c 10  
1936 **NOLANA Mixed** ○ Pretty trailing plant, useful for  
edging or rockwork.....¼ oz. 10c 05  
1937 **NYCTERINIA Capensis** ○ 9 in. Charming little plants  
for pots, edgings, and rock work. White with maroon,  
delightfully fragrant, flowers opening at night. ⅓ oz. 25c 10  
1950 **OENOTHERA (Evening Primrose).** Mixed ○ ½ to  
2ft. Neat plants, with large, saucer shaped flowers,  
white or golden yellow; open at dusk; emit a delightful  
perfume.....¼ oz. 15c 05  
1951 **Mexicana Rosea.** Bright rose..... 10  
1955 **OXALIS Rosea Mixed** ○ An excellent little plant for  
edging or pots; blooms all summer in the greatest pro-  
fusion; flowers dark rose, delicate pink and white..... 10

2375 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS.** We call especial attention to this  
mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties,  
the Canary Bird Creeper, the hybrids of Madam Gunther, and the new variegated leaved varieties.....  
.....1 lb. \$1.50; ¼ lb. 45c; 2 oz., 25c; 1 oz. 15c; pkt. 10c







A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering.

There is no better mixture of Pansies than "Vaughan's International."

# VAUGHAN'S PANSIES

		Pkt.			Pkt.	
2500	<b>Adonis.</b> Light blue with white center.....	1/8 oz. 25c	10	2525	<b>Orchid Fl., Sunlight.</b> Bright yellow, brown spots	10
2501	<b>Atro-sanguinea.</b> Deep blood red.....	1/8 oz. 50c	10	2526	<b>Superba.</b> This is an improvement on the original Orchid Flowered mixed, containing light shades not known so far.....	10
2502	<b>Aureola.</b> Carmine, white stripe.....	1/8 oz. 25c	10	2527	<b>Mixed.</b> Rare light shades, large frilled flowers, very attractive.....	10
2503	<b>Auricula Colors.</b> Metallic shades.....	1/8 oz. 25c	10	2528	<b>Paris Market.</b> An improved strain of Trimardeau, with better flowers and more compact habit.....	05
2504	<b>Beaconsfield.</b> Upper petals light lavender, lower ones a deep rich purple.....	1/8 oz. 25c	10	2529	<b>Pink.</b> Fine shades of pink, same as Hydrangea.....	10
2505	<b>Boulogne Giant Mixture.</b> The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 150 seeds..	1/8 oz. 40c	25	2530	<b>President Carnot.</b> Fine blotched white.....	10
2506	<b>Bridesmaid.</b> Rosy white, dark blotches.....	1/8 oz. 40c	10	2531	<b>President McKinley.</b> Fine blotched yellow.....	10
2507	<b>Bugnot.</b> Shades of red, bronze and reddish cardinal,	1/8 oz. 25c	15	2532	<b>Pheasant's Eye.</b> .....	10
2508	<b>Cardinal.</b> .....	1/8 oz. 25c	10	2533	<b>Purple.</b> Very large, rich deep purple.....	10
2509	<b>Cassiers 3 and 5 Blotched Mixed.</b> Mostly light shades with dark blotches.....	1/8 oz. 40c	10	2534	<b>Prince Henry.</b> Darkest blue.....	10
2510	<b>Coal Black.</b> A jet black of truly giant size.....	1/8 oz. 25c	10	2535	<b>Prince Bismarck.</b> Light brown colors.....	10
2511	<b>Comet.</b> Porcelain white with blue stripes on lower petals	1/8 oz. 25c	10	2536	<b>Pretiosa.</b> Each petal has a large blotch of deep violet on crimson background, with white edge.....	10
2512	<b>Emperor Francis Joseph.</b> Pure white, large blotch of brilliant violet blue on each petal.....	1/8 oz. 25c	10	2537	<b>Psyche.</b> Velvety violet blotches, edged white.....	15
2513	<b>Emperor William.</b> Dark navy blue.....	1/8 oz. 25c	10	2538	<b>Raphael.</b> Blue veins, violet spots on white ground..	20
2514	<b>Eros.</b> Deep velvety brown, edged golden.....	1/8 oz. 40c	10	2539	<b>Rosy Morn.</b> A bright purplish crimson margined with a clear white edge.....	10
2515	<b>Fiery Faces.</b> Scarlet, with a gold edge and yellow center	1/8 oz. 25c	10	2540	<b>Ruby Red.</b> .....	10
2516	<b>Freya.</b> Deep purple violet, with white margin.....	1/8 oz. 25c	10	2541	<b>Siegfried.</b> They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades.....	10
2517	<b>Mad. Perret.</b> Lovely shades of pink and rose.....	1/8 oz. 25c	10	2542	<b>Striped.</b> Mahogany, striped and flaked white.....	10
2518	<b>Marechal Niel.</b> Delicate pleasing, cream color.....	1/8 oz. 40c	10	2543	<b>Trimardeau.</b> Mixed.....	10
2519	<b>Mauve Queen.</b> A most pleasing mauve.....	1/8 oz. 25c	10	2544	<b>Victoria.</b> Blood red.....	10
2520	<b>Masterpiece (New Giant Curled or Spencer Pansies)</b> The number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double.....	1/8 oz. 50c	20	2545	<b>Violet Blue.</b> A very pleasing shade.....	10
2521	<b>Orchid Flowered, Andromeda.</b> Delicate apple-blossom.....	1/8 oz. 25c	10	2546	<b>Volcano.</b> Flowers red with dark blotches.....	10
2522	<b>Almond Blossom.</b> Delicate rose.....	1/8 oz. 25c	10	2547	<b>Pure White.</b> Pure white without blotches.....	10
2523	<b>Daybreak.</b> .....	1/8 oz. 25c	10	2548	<b>White.</b> Very large, with violet eye.....	10
2524	<b>Mammoth.</b> An odd combination of light greenish yellow ground, with deep purple blotches.....	1/8 oz. 25c	10	2549	<b>Pure Yellow.</b> Golden yellow without blotches.....	10
				2550	<b>Yellow.</b> Immense flowers with dark eye.....	10
				2551	<b>Chicago Parks Bedding Mixed.</b> Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts.....	05
2552	<b>Vaughan's Collection of Giant Pansies.</b> One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret.....					25
2555	<b>Vaughan's Giant Mixture.</b> Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. 1/8 oz., \$1.00; 1 pkt. 250 seeds, 20c; 3 20c pkts. 50c.....					10
2560	<b>Vaughan's International Mixture.</b> This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make International Pansy better than ever. 3 pkts. (750 seeds), 65c; 5 pkts. (1250 seeds), \$1.00; 1/8 oz., \$1.75; 250 seeds.					25





**PETUNIA**  
Vaughan's  
Special  
Single Mixed

### Petunia

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

#### Double Large Flowering Varieties

- 2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollinized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. 200 seeds 30



#### Large Single Flowering Varieties

- 2601 **Balcony Queen.** Rich, velvety violet with white blotches. 100 seeds 15  
 2602 **Brilliant Rose.** 100 seeds 15  
 2603 **Canary Yellow Fringed.** 100 seeds 15  
 2604 **German Empress.** A beautiful variety with open flowers of great size, many having deeply flanged petals, color brilliant purple, center veined on a white ground, handsome. 100 seeds 15  
 2605 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. 200 seeds 15  
 2606 **Karlsruher Rathaus.** The flowers are very large, very deep violet blue and should be planted with a white background to be effective. 100 seeds 15

## PETUNIAS

### Large Single Flowering Varieties—Cont. Pkt.

- 2607 **King Edward.** Deep blood-red, white center, 100 seeds 15  
 2608 **Miranda.** Flowers mostly a brilliant deep velvety rose, beautifully crimped and curled, the margins being frilled like lace, very bright and effective. 100 seeds 15  
 2609 **Large Flowering White.** Flowers are large, pure white. 100 seeds 15  
 2610 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. 250 seeds 50  
 2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color. 200 seeds 15  
 2612 **VAUGHAN'S BEST MIXTURE Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as Vaughan's Best. 300 seeds 25



### Single Small Flowering Varieties 1½ ft.

- 2613 **Alba.** Pure white. ¼ oz. 30c 05  
 2614 **Carmine Rose.** 05  
 2615 **Carmen Sylva.** Baby blue soft reddish purple. 10  
 2618 **Countess of Ellesmere.** Rose with white throat. 05  
 2619 **General Dodds.** Blood red. ¼ oz. 20c 05  
 2620 **Howard's Star.** Regular white star-like stripes on old rose background. ⅓ oz. 30c 10  
 2621 **Inimitable.** Blotched and striped. 05  
 2622 **Meteor.** Deepest velvety blood red. 10  
 2623 **Venosa.** Light red veined. 05  
 2624 **Good Mixed.** 1 oz. 50c; ½ oz. 30c 05  
 2625 **Finest Mixed.** ¼ oz. 25c 10

### Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

- 2631 **Enchantress.** These have a white center which is most effective with the delicate, brilliant light and dark rose, incarnata and delicate lilac of the flowers. 15  
 2632 **Gloria.** Flowers brilliant carmine. 10  
**Improved Rosy Morn.** Regret we cannot offer.  
 2633 **Rosy Morn, Ordinary Strain.** 10  
 2634 **Inimitable.** Regular white stars on deep old rose ground. Very effective in masses. ⅓ oz. 15c 10  
 2635 **Norma.** The flowers are of a pleasing violet blue with a clear white star in the center. 15  
 2636 **Snowball.** Pure white. ⅓ oz. 25c 10  
 2637 **VAUGHAN'S SPECIAL MIXTURE of Dwarf Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. 10



- 2655 **PHACELIA Tanacetifolia** 1½ ft. Large compact heads of blue flowers. Valuable for bees. 15c 05

WOODMEN, COLORADO, October, 1916.  
 "I wish to tell you that the Aster seed which I bought from you last spring brought wonderful results. They were seen by hundreds of visitors from all over the United States and admired by all as the **finest they ever saw.** Many thought they were Chrysanthemums on account of their large size."  
 ADOLPH LAESSER (Head Gardener).

# Phlox Drummondii

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. May be grown in beds or borders, boxes or vases and make splendid cutting material as the blooms last long in water.

## Nana Compacta Dwarf. 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- |                    |  |  |                 |
|--------------------|--|--|-----------------|
| 2728               | <b>Chamoisrosa.</b>                      | Salmon pink.   |                 |
| 2730               | <b>Coerulea Stellata.</b>                | Blue star.   |                 |
| 2735               | <b>Fireball.</b>                         | Blood red.   |                 |
| 2736               | <b>Isabellina.</b>                       | Yellow.  |                 |
| 2739               | <b>Leopoldi.</b>                         | Rose with white eye.   |                 |
| 2740               | <b>Snowball.</b>                         | Pure white.  |                 |
| 2742               | <b>Splendens.</b>                        | Crimson with a white eye.  |                 |
| 2744               | <b>Surprise.</b>                         | Vermilion with a white center.   |                 |
| All the above..... |  |  | 1/8 oz., 35c 10 |
| 2745               | <b>Nana Compacta, Mixed, all colors.</b> | 1/2 oz. 75c; 1/8 oz. 25c.  | 10              |
| 2750               | <b>Cecily. Mixed, all colors</b>         | Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact..... | 1/8 oz. 50c 15  |

- 2775 **POINCIANA Gilliesi (Bird of Paradise).** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens..... 10

**POLYANTHUS.**—See Primula.

- 2776 **POLYGONUM Orientale Pumilum (Knot-Weed.)** A handsome plant bearing an abundance of crimson flowers in drooping racemes; recommended for borders and wild gardens. (See also page 111.)..... 10
- 2777 **Orientale Pumilum Album.** A charming white variety of the above..... 10
- 2778 **Orientale Pumilum Fol. Variegatis.** An ornamental plant, with foliage blotched and marbled creamy white. 10

"I never saw anything more beautiful than your Large-flowered (Grandiflora) Phlox the past summer. It was the admiration of all my friends."  
MRS. P. D. ALLEN,  
Springfield, Mo.



BORDER OF PHLOX DRUMMONDI

## Grandiflora

### Varieties

⊙ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- |      |                          |                             |
|------|--------------------------|-----------------------------|
| 2660 | <b>Alba.</b>             | Pure white.                 |
| 2661 | <b>Alba Oculata.</b>     | With white eye.             |
| 2662 | <b>Atro-purpurea.</b>    | Black brown.                |
| 2663 | <b>Brilliant.</b>        | Pink with dark rose center. |
| 2664 | <b>Carnea.</b>           | Flesh color.                |
| 2665 | <b>Chamois.</b>          | Rose with white eye.        |
| 2666 | <b>Coccinea.</b>         | Fiery scarlet.              |
| 2667 | <b>Coccinea Striata.</b> | Scarlet striped.            |
| 2668 | <b>Coerulea Striata.</b> | Blue striped.               |

- 2669 **Crown Prince.** The flowers are large, salmony scarlet.
- 2670 **Isabellina.** Yellow.
- 2671 **Kermesina Splendens.** Vivid crimson.
- 2672 **Leopoldi.** Rose with white eye.
- 2673 **Orbicularis Atro-rosea.** Dark rose with eye.
- 2674 **Orbicularis Purpurea.** Purple.
- 2675 **Orbicularis Violacea.** Red violet.
- 2676 **Rosea.** Pink.
- 2677 **Rosea Striata.** Pink striped.
- 2678 **Rosea Aurea Stellata.** Gold Star.
- 2679 **Salmon Rose.**
- 2680 **Stellata Splendens.** Vivid crimson with white star.
- 2681 **Violet.**

- |                    |   |                                      |                |
|--------------------|---|--------------------------------------|----------------|
| All the above..... |   | 1/8 oz., 20c; 100 seeds              | Pkt. 05        |
| 2685               | <b>Splendid Mixture.</b>                      | 1 oz. \$1.00; 1/4 oz. 30c; 250 seeds | 10             |
| 2690               | <b>Drummondii Mixed.</b>                      | Good Mixture. oz. 75c; 1/4 oz. 25c   | 05             |
| 2695               | <b>Cuspidata Mixed (Star of Quedlinburg.)</b> | Mixture of star-shaped flowers.....  | 1/8 oz. 15c 05 |

2710 **VAUGHAN'S SPECIAL MIXTURE.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package.



- |   |                                     |                |
|---|-------------------------------------|----------------|
| 1 oz. \$1.25; 1/4 oz. 40c; 1/8 oz. 25c; 250 seeds |                                     | 15             |
| 2727  | <b>Semi-Double Varieties Mixed.</b> | 1/8 oz. 20c 10 |

"For three successive years my Sweet Peas from your seeds have been so wonderful that no one has seen anything like them around here. Plants are seven feet tall and covered with large long-stemmed blossoms."  
MRS. W. B. DOUGHERTY, Pokegama Sanitarium, Minn.





POPPY—Vaughan's Special Double and Single Mixed

## POPPIES

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

### Single Annual Poppies

- |      |  |   |         |
|------|--|---|---------|
| 2780 | <b>Admiral.</b> Glistening white, with a broad band of brilliant scarlet around the edges.....   | 1/4 oz. 25c   | Pkt. 10 |
| 2781 | <b>Black Prince.</b> Brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods.....   | 1/4 oz. 20c   | 10      |
| 2782 | <b>Bride.</b> Very large pure white, perfectly formed flowers.....   |   | 10      |
|      | <b>California Poppy.</b> See Escholtzia.   |   |         |
| 2783 | <b>Danebrog or Danish Flag.</b> Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross.....   | 1/4 oz. 15c   | 05      |
| 2784 | <b>English Scarlet Field.</b> Grows wild in Europe, in the rye fields, together with the blue Cornflower.....  | 1/2 oz. 15c   | 05      |
| 2785 | <b>Hansa.</b> The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson.....   | 1/4 oz. 15c   | 05      |
| 2786 | <b>King Edward.</b> Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal.....   |   | 05      |
| 2787 | <b>Persian (Laevigatum or Firedragon).</b> Dark scarlet, black spots   |   | 05      |
| 2788 | <b>Tulip (Glaucum).</b> Large tulip-shaped flowers of dazzling scarlet   |   | 05      |
| 2789 | <b>Umbrosum.</b> Rich vermilion flowers with a shining black spot on each petal.....   | 1/2 oz. 15c   | 05      |
| 2790 | <b>Shirley, Silk or Ghost.</b> The beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers.....   | oz. 20c; lb. \$2.00                                 | 05      |
| 2791 | <b>Virginia.</b> The flowers are pure white, while the daintily fringed edges are of a delicate pink.....  |   | 10      |
| 2792 | <b>Single Mixed</b> .....  | oz. 15c; lb. \$1.00                                 | 05      |
| 2795 | <b>VAUGHAN'S SPECIAL MIXTURE Single Poppies.</b> This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice   | 1/4 lb. 70c; 2 oz. 40c; 1 oz. 25c; 1/2 oz. 15c..... | 10      |
| 2796 | <b>VAUGHAN'S SPECIAL MIXTURE Double and Single Poppies.</b> Comprises not only all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones..... | 1 oz. 30c; 1/2 oz. 20c                              | 10      |

### Double Annual Sorts

- |      |   |             |         |
|------|---|-------------|---------|
| 2800 | <b>American Flag.</b> Flowers very large, snow white, scarlet bordered.....   | 1/2 oz. 15c | Pkt. 05 |
| 2801 | <b>Fairy Blush.</b> The flowers have the effect of large feathery balls, overcast with a rosy shade.....  | 1/2 oz. 15c | 05      |
| 2802 | <b>Giant Double Pure White.</b> .....   | 1/2 oz. 20c | 10      |
| 2803 | <b>Giant Double Yellow.</b> .....   | 1/2 oz. 20c | 10      |
| 2804 | <b>Giant Double Pink.</b> .....   | 1/2 oz. 20c | 10      |
| 2805 | <b>Giant Double Cardinal Red.</b> .....   | 1/2 oz. 20c | 10      |
| 2806 | <b>Giant Double Deep Violet Flushed Lilac.</b> .....  | 1/2 oz. 20c | 10      |
| 2807 | <b>Giant Double Lilac.</b> .....  | 1/2 oz. 20c | 10      |
| 2808 | <b>Golden Gate.</b> Semi-double and double flowers in great variety of colors.....  |             | 10      |
| 2809 | <b>Mikado.</b> Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum.....   | 1/2 oz. 15c | 05      |
| 2810 | <b>Scarlet King.</b> .....  | 1/2 oz. 10c | 05      |
| 2811 | <b>White Swan.</b> Fringed double white.....  | 1/2 oz. 10c | 05      |
| 2812 | <b>Carnation-Flowered Mixture of Double Poppies.</b> Large sized flowers of all shades, many striped  | 1 oz. 15c   | 05      |
| 2813 | <b>Peony-Flowered Mixture.</b> Double ball-shaped flowers of gigantic size.....   | 1 oz. 15c   | 05      |
| 2814 | <b>Rheas Fl. Pl. Double French Mixture.</b> Double form of the Shirley type.....  | 1 oz. 15c   | 05      |
| 2815 | <b>Double French Slate Blue.</b> .....  |             | 10      |
| 2828 | <b>VAUGHAN'S SPECIAL MIXTURE, Double Poppies.</b> This includes all the above sorts, and will produce charming flowers in an endless variety of colors. 1/4 lb. 70c; 2 oz. 40c; 1 oz. 25c; 1/2 oz. 15c..... |             | 10      |



### Portulaca (Rose Moss) 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

#### Large Flowering Single

- |      | 2842 White   | 2845 Pink    | 2848 Scarlet |                           |
|------|--|--------------|--------------|---------------------------|
| 2844 | Yellow   | 2846 Striped |              |                           |
|      | Each of the above.....                                     |              |              | 1/4 oz. 20c 05            |
| 2849 | <b>Parana.</b> Extremely large reddish purple flowers..... |              |              | 15                        |
| 2850 | <b>Single Mixed.</b> .....                                 |              |              | 1 oz. 50c; 1/4 oz. 15c 05 |

#### Large Flowering Double

- |      |                                   |    |      |              |                |
|------|-----------------------------------|----|------|--------------|----------------|
| 2854 | White.....                        | 10 | 2855 | Yellow.....  | 10             |
| 2856 | Pink.....                         | 10 | 2858 | Scarlet..... | 10             |
| 2860 | <b>Double Good Mixture.</b> ..... |    |      |              | 1/8 oz. 25c 05 |
| 2865 | <b>Double Best Mixture.</b> ..... |    |      |              | 1/8 oz. 50c 10 |



PORTULACA



TYPE OF INTERNATIONAL PRIMULA

### Primula Chinensis 8 in.

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

- 2882 **Covent Garden White.** The blooms are very large, Pkt. and beautifully fringed, petals solid, erect, and very free flowering. .... 100 seeds 25
- 2883 **Orange King.** The beautiful orange color in the bud, and the orange-salmon shade around the edge of terracotta petals are most pleasing. .... 100 seeds 25
- 2884 **True Blue.** Beautiful fimbriated blooms of giant size. Good substance The best blue Primula. .... 100 seeds 25
- 2885 **Giant Pink.** The finest and largest of all the Giant Primulas. Extremely large petals, of great substance. Vigorous, erect habit. .... 100 seeds 25
- 2886 **Chiswick Red.** Improved strain. Very fine red. 100 seeds 25
- 2888 **Good Mixture of Single Varieties.** French grown. 05
- 2890 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. .... 100 seeds 15



### Various Sorts

- 2892 **Malacoides** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. .... 25
- 2893 **Malacoides Alba.** White. .... 25
- 2894 **Forbesi (Baby Primrose)** 2 1/2 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. .... 10

### Primula Obconica

- 2905 **Obconica Grandiflora Mixed.** A well-balanced mixture 350 seeds. .... Pkt. 10
- 2906 **Obconica Gigantea, Mixed.** The leaves are dark green, thick and leathery, roundish, veined at the edges, and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1 1/4 to 1 1/2 inches in diameter, and are borne in clusters up to four inches across. .... 25
- 2910 **PYRETHRUM Parthenifolium Aureum. (Golden Feather)** 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. .... 1/4 oz. 20c 05
- 2911 **Selaginoides.** Fern-leaved. .... 10
- 2925 **RHODANTHE Mixed** 1 ft. Very beautiful, delicate looking, everlasting. .... 1/4 oz. 15c 05
- 2926 **Manglesi.** Bright rose flowers, very graceful, makes a pretty pot plant. .... 10
- 2927 **Maculata Alba.** White. .... 05

### Ricinus (Castor Bean) 0

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

- 2930 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. .... 1 oz. 10c 05
- 2932 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black. .... 1 oz. 10c 05
- 2933 **Gibsonii.** 5 ft. Handsome bronzy mulberry-colored stems and foliage, very effective. .... 1 oz. 25c 10
- 2934 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental. .... 1 oz. 15c 05
- 2935 **Sanguineus.** 6 ft. Green leaved, red stems and seeds. .... 1 oz. 10c 05
- 2936 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2 1/2 to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. .... 1 oz. 15c 05
- 2937 **Zanzibar Enormis.** .... 1 oz. 15c 05
- 2938 **Mixed.** Many sorts. .... 1 oz. 10c 05
- 2940 **ROSE Polyantha.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. .... 10
- 2942 **RUDBECKIA Bicolor Superba (Coneflower)** 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. .... 10
- 2943 **Bicolor Superba Semi Plena** .... 10



RICINUS (Castor Bean)

June 8th, 1916.

Gentlemen:—You ought to see the garden I have from the Seeds I got from you. I never saw a garden looking so fine; every seed came up and doing so well. I can swear by Vaughan's Seeds every time.

WALTER VAN WAGENER, Poughkeepsie, N. Y.



SALVIA SPLENDENS—Clara Bedman



SCABIOSA—Double Large Flowering



SALPIGLOSSIS—Vaughan's Special Mixed

### Salpiglossis ○ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

	Quantity		Pkt.
2944 Bright Crimson...	15	2949 Pink.....	15
2945 Chamois.....	15	2950 Purple Violet with Gold.....	15
2946 Faust. Black.....	15	2951 Velvety Violet.....	15
2947 Lilac and Gold....	15	2952 Golden Yellow....	15
2948 Light Blue and Gold.....	15		
2953 Mixed. Good quality.....	¼ oz. 20c		05
2955 Emperor Mixed. Large improved strain, complete range of colors.....	⅛ oz. 20c		10
2960 VAUGHAN'S SPECIAL MIXTURE. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable.....	⅛ oz. 35c		15

### Salvia Splendens (Scarlet Sage)

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

2964 Fireball. 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes.....	15
2965 Clara Bedman or Bonfire. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes.....	⅛ oz. 50c 10
2966 Drooping Spikes. 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens.....	⅛ oz. 40c 10
2967 Zurich. Early. The plants are dwarf and compact with large brilliant flower spikes.....	⅛ oz. 45c 15
2968 Splendens. 2½ ft. The original Scarlet Sage.....	¼ oz. 40c 05
2969 Mixed. The above sorts and others.....	¼ oz. 35c 10

"My Pansy bed is a beautiful sight now. No one can beat your International Mixture."  
A. W. BADGER,  
June, 1916. Sunapee, N. H.

#### Flower Seeds in Quantity

We shall be pleased to quote prices on larger quantities than are quoted in this catalog.

### Salvia

	Pkt.
2972 Coccinea ○ 2 ft. Annual scarlet sage.....	¼ oz. 15c 05
2973 Farinacea ○ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage.....	10
2974 Patens 2 ft. Ultramarine blue, beautiful flowers..	20
2975 Horminum Violacea ○ 1½ ft. Flowers beautiful violet blue; useful for bedding.....	05

3000 SANVITALIA Procumbens Fl. Pl. ○ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant.....	¼ oz. 30c 05
--	--------------

### Scabiosa (Mourning Bride) 2½ ft. ○

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole of the summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

#### Large Flowering Double

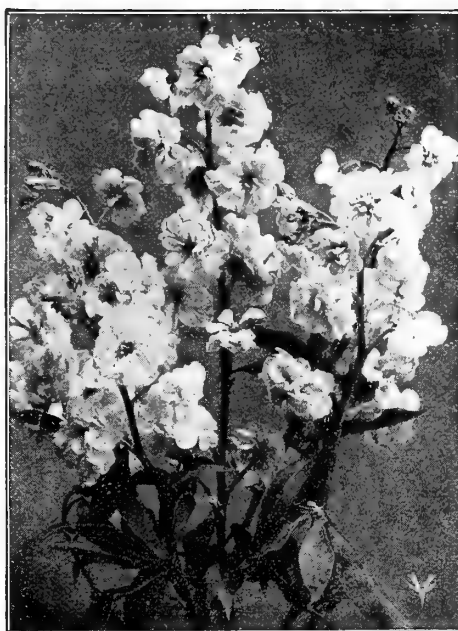
3010 Snowball.....	10	3016 Azure Fairy.....	10
3012 Golden Yellow... ..	10	3017 Cherry Red.....	10
3014 Flesh.....	10	3018 Black Prince.....	10
3015 Fiery Scarlet.....	10		
3020 Mixed. The above and many others.....	½ oz. 20c		05
3025 VAUGHAN'S SPECIAL MIXTURE. Many new colors have been purchased for this, our latest special mixture and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed... ..	¼ oz. 20c		10
3030 SCHIZANTHUS Hybridus Grandiflorus ○ 1 ft. (The Poor Man's Orchid.) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs.....			10
3032 Wisetonensis ○ 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June.....			25
3033 Mixed, all colors.....	¼ oz. 15c		05
3034 SEDUM Coeruleum ○ 4 in. Pale azure-blue, a pretty dwarf annual, charming in pots and on rockwork....			05
3035 SENEIO Elegans Fl. Pl. Mixed ○ 1 to 2 ft. (Jacobaea or American Groundsel.) Free flowering pot plant			05

SENSITIVE PLANT. See Mimosa.





**SCHIZANTHUS** *Wisetonensis*



**STOCKS—Beauty of Nice**



**STOCKS—Giant Perfection**

- |  |  |         |
|--|--|---------|
| 3036   | <b>SHAMROCK.</b> 3 in. True stock.....   | Pkt. 10 |
| 3037   | <b>SILENE Armeria Mixed</b> ♂ 1½ ft. ( <b>Catchfly</b> ). A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers ... | 05      |
| 3038   | <b>Pendula Alba.</b> 1 ft. Splendid for spring bedding. . .  | 05      |
| 3039   | <b>Rosea</b> .....   | 05      |
| 3040   | <b>SMILAX</b> ♂ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut .....  | 05      |
| <b>SNAPDRAGON.</b> See <i>Antirrhinum</i> .      |  |         |
| 3042   | <b>SOLANUM Capsicastrum Nanum</b> ♂ 2 ft. ( <b>Jerusalem Cherry</b> ). Easily grown plants with ornamental fruit. Especially fine for pots.....                              | 10      |
| 3043   | <b>Melvini.</b> The fruits cling firmly to the plant.....  | 10      |
| 3044   | <b>Christmas Pepper.</b> 1 ft. Pot plant grown for the ornamental, bright colored fruit.....   | 10      |
| 3045   | <b>STATICE, Russian</b> ♂ 1 ft. Flowers bright rose color; valuable for winter bouquets.....   | 10      |
| 3046   | <b>Bonduelli.</b> Producing numerous heads of bright yellow flowers, valuable for drying, very attractive.....   | 10      |
| 3047   | <b>Sinuata Blue.</b> Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers.....                              | 10      |
| 3048   | <b>Sinuata Rosea</b> .....   | 10      |
| 3049   | <b>STEVIA Serrata</b> ♂ ♂ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting..               | 10      |
| <b>SUNFLOWER.</b> See <i>Helianthus</i> page 79. |  |         |
| 3136   | <b>SWAINSONIA Grandiflora Alba</b> ♂ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; acacia-like foliage.             | 10      |

## **Stocks—Large Flowering** ♂ (**Levkojen**)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

## **Dwarf German 10 Weeks 1 ft.**

This class is a favorite for outdoor bedding.

- |      |                         |           |                       |
|------|-------------------------|-----------|-----------------------|
| 3050 | <b>White</b>            | 3052      | <b>Canary Yellow</b>  |
| 3053 | <b>Flesh</b>            | 3054      | <b>Brilliant Rose</b> |
| 3055 | <b>Crimson</b>          | 3056      | <b>Light Blue</b>     |
| 3058 | <b>Purple</b>           |           |                       |
|      | Each of the above.....  |           | 10                    |
| 3060 | <b>Fine Mixed</b> ..... | ½ oz. 15c | 05                    |
| 3070 | <b>Best Mixed</b> ..... | ½ oz. 25c | 10                    |

## **Giant Perfection 1½ ft.**

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

- |      |                                     |           |                   |
|------|-------------------------------------|-----------|-------------------|
| 3075 | <b>White</b>                        | 3080      | <b>Scarlet</b>    |
| 3076 | <b>Canary Yellow</b>                | 3082      | <b>Light Blue</b> |
| 3077 | <b>Flesh</b>                        | 3083      | <b>Sky Blue</b>   |
| 3078 | <b>Pink</b>                         | 3084      | <b>Dark Blue</b>  |
|      | Each of the above.....              |           | 10                |
| 3085 | <b>Giant Perfection Mixed</b> ..... | ½ oz. 40c | 10                |

## **Beauty of Nice 2 ft.**

A handsome winter stock of quick growth, flowers of large size.

- |      |                            |      |                                 |
|------|----------------------------|------|---------------------------------|
| 3090 | <b>White</b>               | 3096 | <b>Empress Augusta</b>          |
| 3091 | <b>Monte Carlo. Yellow</b> |      | <b>Victoria. Silvery lilac.</b> |
| 3092 | <b>Azure Blue</b>          | 3097 | <b>Pink</b>                     |
| 3093 | <b>Queen Alexandra.</b>    | 3098 | <b>Crimson</b>                  |
|      | Delicate rosy lilac.       | 3099 | <b>Old Rose Improved</b>        |
| 3094 | <b>Abundance.</b>          | 3100 | <b>Dark Violet</b>              |
|      | Brilliant lilac rose.      |      | Each of above.....              |
| 3101 | <b>Mixed</b> .....         |      | 10                              |

## **Bismarck 2½ ft.**

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

- |      |  |      |                 |
|------|--|------|-----------------|
| 3105 | <b>White</b>   | 3109 | <b>Rose</b>     |
| 3108 | <b>Gold Ball</b>   | 3110 | <b>Lavender</b> |
|      | Each of the above.....   |      | 15              |
| 3131 | <b>VAUGHAN'S SPECIAL MIXTURE of Stocks.</b> Contains all the above and many others not catalogued..... |      |                 |



- |      |  |    |
|------|--|----|
| 3132 | <b>STREPTOCARPUS Largest Hybrids</b> ♂ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer..... | 25 |
| 3137 | <b>SWEET CLOVER (Gracilis Melilotus) White.</b> ♂ 2 to 3 ft. Blooming first season, white, sweet-scented flowers   | 05 |
| 3138 | <b>Blue (Melilotus Coerulea).</b> Very fragrant.....   | 05 |
| 3139 | <b>Yellow (Trifolium Suaveolens)</b> .....   | 05 |

# SWEET PEAS—Large Flowering and Unwin

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If anyone familiar with a name of variety not catalogued here will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

	1/4 Lb.	Oz.	Pkt.
3400 <b>America.</b> Blood-red striped white....	\$0 20	\$0 10	\$0 05
3401 <b>Black Knight.</b> Dark maroon.....	25	10	05
3402 <b>Blanche Ferry.</b> Pink and white.....	25	10	05
3403 <b>Dainty.</b> White with pink picotee edge.	25	10	05
3404 <b>Dorothy Eckford.</b> One of the best whites	25	10	05
3405 <b>Emily Henderson.</b> White, early, free..	25	10	05
3406 <b>Frank Dolby.</b> Finest pale blue.....	40	15	05
3407 <b>Flora Norton.</b> A very bright blue....	30	10	05
3408 <b>Gladys Unwin.</b> Pale rosy pink.....	35	10	05
3409 <b>Helen Pierce.</b> Blue with dark grain markings.....	20	10	05
3410 <b>Henry Eckford.</b> Orange.....	40	15	05
3411 <b>Hon. Mrs. E. Kenyon.</b> yellow.....	25	10	05
3412 <b>King Edward VII.</b> Fine scarlet.....	25	10	05
3413 <b>Lady Grisel Hamilton.</b> Lavender...	25	10	05
3414 <b>Lord Nelson.</b> Richer than Navy Blue.	25	10	05
3415 <b>Mrs. George Higginson, Jr.</b> Delicate light blue.....	30	10	05
3416 <b>Navy Blue.</b> .....	20	10	05
3417 <b>Nora Unwin.</b> Giant white.....	30	15	05
3418 <b>Prima Donna.</b> Soft pink.....	25	10	05
3419 <b>St. George.</b> Orange salmon.....	40	15	05
3420 <b>Salopian.</b> Dark bright red.....	25	10	05
3421 <b>Senator.</b> Chocolate, striped white....	20	10	05
3422 <b>White Wonder.</b> Many-flowered white	25	10	05

**SPECIAL OFFER.** Any 6 pkts. of above for 20c.  
Any 6 ozs. of above for 40c.



## Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

- 3423 **Pink Shades.** Light to deep pink.
- 3424 **Red Shades.** Bright rose to dark scarlet.
- 3425 **Lavender and Blue Shades.** Pale lavender to mauve.
- 3426 **Purple and Maroon Shades.** All the dark colors.
- 3427 **White and Primrose Shades.** All the delicate tints.
- 3428 **Striped Sorts.** Various combinations.

Each of the above, lb. \$1.00; 1/4 lb. 30c; oz. 10c.  
3429 **Collection, one oz., each of the six separate shades 40c.**

## Sweet Peas In Mixture

- 3430 **Eckford's Mixture.** Contains some of each of the entire list of varieties and cannot fail to give satisfaction. .... lb. 65c; 1/4 lb. 20c; oz. 5c

- 3450 **Sweet Peas, Vaughan's Prize Mixture.** It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden a continued joy.

1 lb. \$1.00; 1/2 lb. 50c; 1/4 lb. 30c; oz. 15c 10

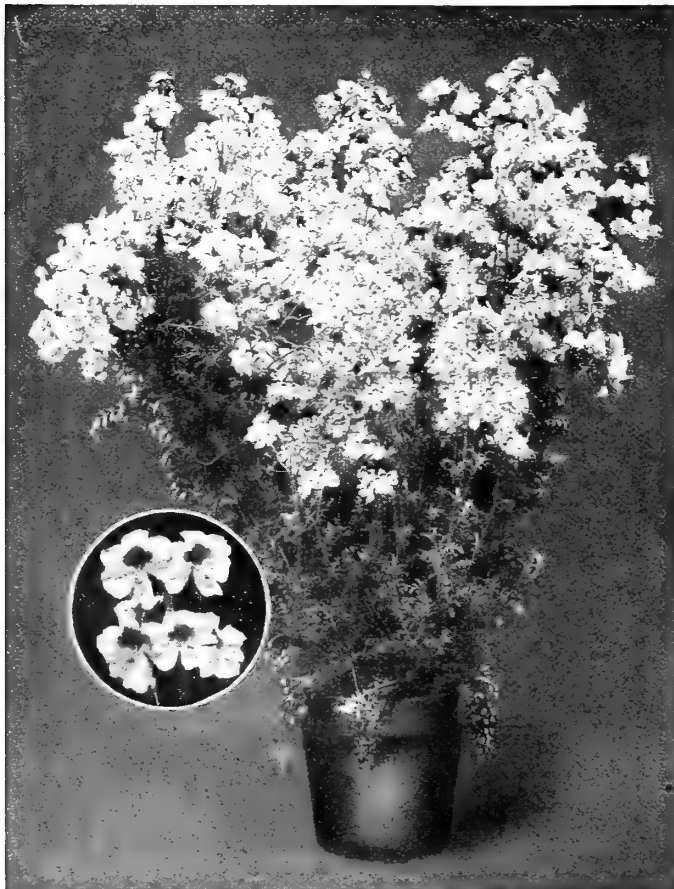
## Sweet Peas for Fall Planting

Sowing in late November or early December in the open ground secures flowers earlier in the season than from seeds grown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and the season of blooming is prolonged.

## Schizanthus Grandiflora—Selected Hybrids

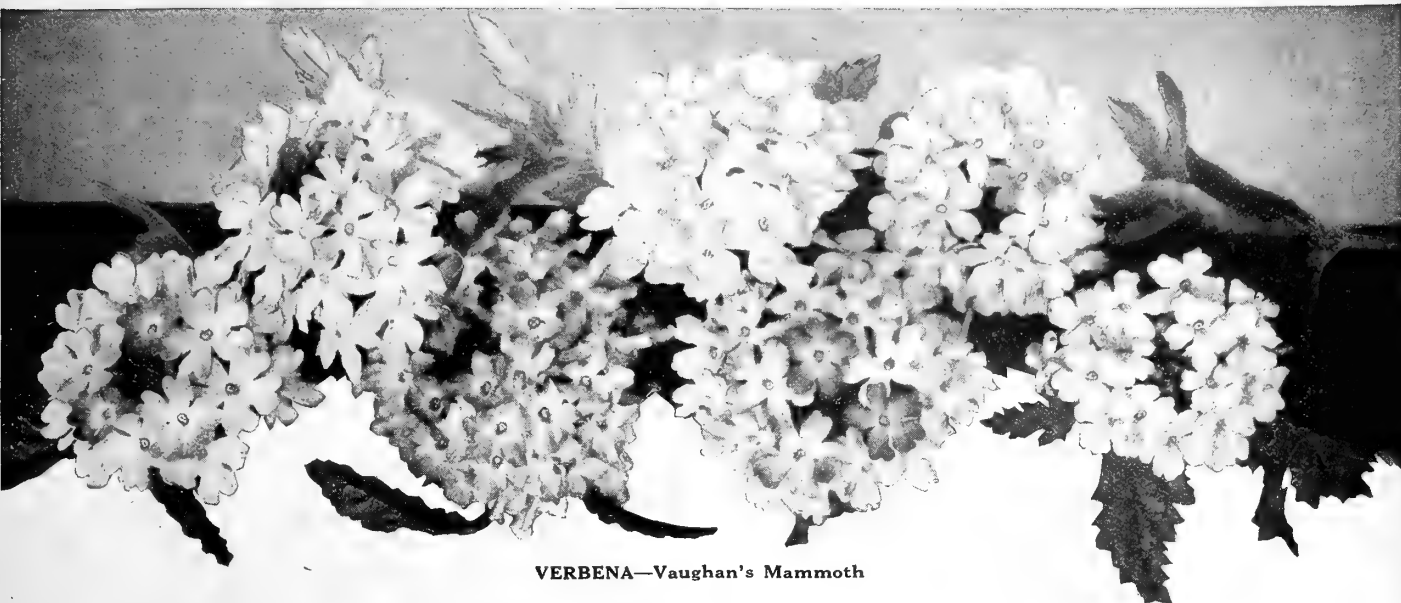
A grand strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter.  
125 Seeds, 25c.

A leaflet "How to Grow Sweet Peas" furnished with each order of Sweet Peas if asked for at the time of ordering. All light blue and orange varieties should be provided with shade for the better development of color.



SCHIZANTHUS—Selected Hybrids

For Novelties and Spencer or Butterfly Sweet Peas, please refer to pages 10 and 11.



VERBENA—Vaughan's Mammoth

- 3512 **THUNBERGIA Alata Mixed (Black Eyed Susan)** Pkt.  
 ○ § 5 ft. Beautiful trailing plants for hanging baskets  
 and lawn vases ..... ¼ oz. 15c 05
- 3515 **TORENIA Fournieri Grandiflora** ○ △ 10 in. Bushy  
 globular plants literally covered with the lovely richly  
 colored, snapdragon-like flowers of a delightful sky-blue.  
 They are excellent for beds, pots or hanging baskets... 10
- 3516 **Bailloni.** Flowers yellow with purple throat..... 10
- 3517 **White Wings.** Flowers white with rose throat..... 10

## Verbena Hybrida ○ 9 in.

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

- 3524 **Auricula-Flowered.** All have white eyes..... 05
- 3525 **Defiance.** A real intense scarlet..... 05
- 3526 **Dark Blue with White Eye.** Very showy..... 05
- 3527 **Lutea.** Yellow..... 10
- 3528 **Purple Mantle.**..... 10
- 3529 **Striped.** Mostly light colors with red and blue stripes..... 05
- 3530 **Stellata Carminea.** Carmine with a white eye..... 10
- 3532 **Stellata Violacea.** Violet with white eye..... 10
- 3535 **Good Mixed**..... 1 oz. 60c; ½ oz. 10c 05
- 3540 **Mixed, extra choice.** The above and the mammoth  
 sorts and others..... 1 oz. \$1.00; ½ oz. 15c 10

## Mammoth Types

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

- 3542 **White.** Dense heads of finely shaped white flowers.... 10
- 3544 **Mayflower.** Pink..... 10
- 3545 **Striped, White on Red Ground.**..... 10
- 3546 **Aurora Borealis.** Fiery red..... 15
- 3547 **Firefly.** Intense red..... 10
- 3548 **Commandant Marchand.** Dark purple..... 15
- 3549 **Purple.** Dark purple..... 10
- 3550 **Mammoth Mixed.** Producing in handsome umbels  
 flowers of large size in beautiful shades of white, rose,  
 scarlet, blue, purple..... ¼ oz. 25c 10
- 3551 **Hybrida Gigantea.** A wonderful mixture of large  
 flowering varieties introduced by a German specialist.  
 The flowers are as the name indicates, gigantic, and  
 with white eye, the reds particularly attractive ..... 10
- 3555 **VAUGHAN'S BEST MIXTURE.** This embraces all that  
 is choice and desirable in Verbenas. It includes the  
 mammoth flowered strains of three Verbena specialists,  
 the dazzling Defiance, the Mammoth White, Purples,  
 Striped, and all the Auricula flowered varieties with  
 their large umbels of white-eyed flowers. We feel  
 perfectly safe in stating this mixture of Verbenas  
 will eclipse every other strain offered by any  
 other house, and it will produce flowers that  
 will delight all beholders throughout summer.  
 1 oz. \$3.00; ½ oz. 50c; large packet 25c; 125 seeds..... 15



## Verbena—Continued

- 3556 **Dwarf Mixed.** 6 in. Good for edging, making an even Pkt.  
 carpet of blossoms and leaves..... 10
- 3557 **Citriodora (Lemon Scented Verbena)** △ 3 ft. An old  
 favorite with fragrant evergreen leaves. It is a low-  
 growing tender plant and may be grown in the garden in  
 summer and in pots in winter, and the leaves dried and  
 laid among linens..... 10
- 3558 **Erinoides.** Forming elegant little spreading bushes  
 with finely cut foliage and pretty heads of bloom,  
 purplish rose changing to Oxford blue..... 10
- 3559 **Erinoides Alba.** Of the same character as above, but  
 with white flower heads, very pretty..... 10
- 3561 **Venosa** 1 ft. Largely used for bedding purposes,  
 strong, thrifty growers covered with bright purple and  
 heliotrope flowers..... 05

## Vinca Rosea (Periwinkle) △ 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Germinates slowly.

- 3580 **White**..... ¼ oz. 15c 05
- 3581 **Delicata.** Soft pink..... ¼ oz. 15c 05
- 3582 **White with Eye**..... ¼ oz. 15c 05
- 3584 **Pink**..... ¼ oz. 15c 05
- 3585 **Mixed**..... ¼ oz. 25c 05

- 3610 **VISCARIA Cardinalis** ○ 1 ft. Very showy and effective  
 garden annuals, producing freely throughout the  
 summer large single flowers of brilliant crimson. Very  
 bright and effective for beds and useful for cutting.. 05
- 3611 **Mixed.** Pretty plants with a mass of bright open  
 flowers in red, white and blue shades..... 05
- 3612 **VIRGINIA STOCK Mixed** ○ 6 in. Sown early these  
 pretty annuals are gay in the period between the spring  
 and summer flowers, their fresh bright colors in edgings  
 and beds producing a charming effect. oz. 25c; lb. \$2.50 05

## Wallflower (Goldlack) △ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

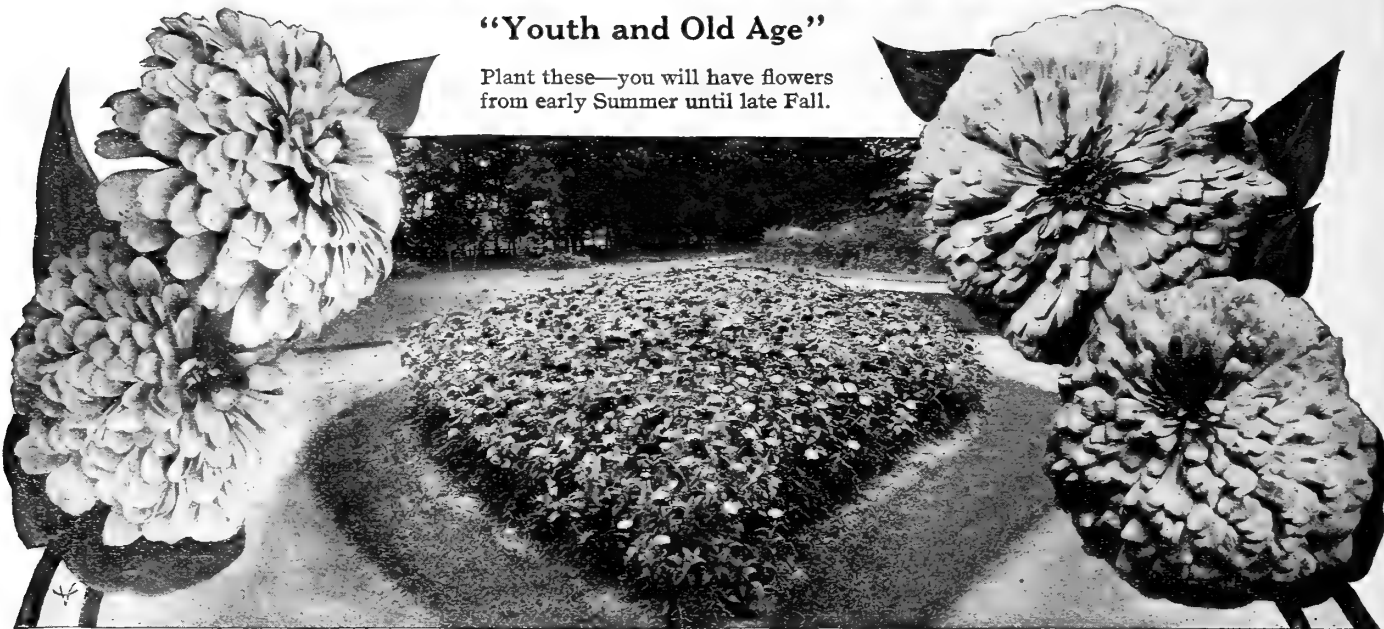
- 3615 **Single Mixed**..... ¼ oz. 15c 05
- 3616 **Single Annual Blood Red**..... 10
- 3620 **Double Mixed**..... 10
- 3622 **Single Annual Mixed**..... 10
- 3623 **WHITLAVIA Gloxinoides Blue** ○ 1 ft. Flowers deep  
 lavender-blue with white throat resembling small  
 Gloxinias..... 05
- 3624 **Gloxinioides Alba, White**..... 05



# VAUGHAN'S ZINNIAS

## "Youth and Old Age"

Plant these—you will have flowers from early Summer until late Fall.



These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets. The double

Zinnias are exceedingly handsome, the flowers being notable for their large size, fine form, brilliancy and diversity of color. The plants come quickly from seed and are easily transplanted.

### Elegans Fl. Pl. Double Flowered ☉ 2½ ft.


3701	Alba. White	3708	Old Rose
3702	Appleblossom	3709	Scarlet
3703	Burnt Orange	3710	Jacqueminot, Bloodred
3704	Black-purple	3711	Violet
3705	Golden Yellow	3712	Zebra Striped
3706	Flesh Color	3713	Lilac
3707	Rose		
Each of above.....		¼ oz.	25c 10
Special offer (A) Zinnias, any 6 pkts. of above for 40c			
3714	Double Good Mixed.....	1 oz.	25c; ½ oz. 15c 05

### New Giant Flowered or Colossal ☉ 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

3715	White.....	15	3720	Scarlet.....	15
3716	Golden Yellow...	15	3721	Violet.....	15
3717	Sulphur Yellow..	15	3722	Purple.....	15
3718	Flesh Color.....	15	3723	Striped.....	15
3719	Crimson.....	15			

Special offer (B) Zinnias, any 6 pkts. of above for 60c.

3724	 <b>VAUGHAN'S COLOSSAL ZINNIAS Mixed.</b> The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors.....	¼ oz.	30c. 15
3725	<b>Vaughan's Giant Flowered Mixed.</b> This is a mixture of large Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color. ½ oz. 30c.....	10	

### Wild Cucumber (Echinocystis Lobata)

3760	This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or unsightly building. The seed of this should be cut and soaked in water before sowing, see instructions on back of bag.....	1 lb. \$1.50; ¼ lb. 40c; 1 oz. 15c; ½ oz. 10c	05
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3726	<b>Double Crested and Curled.</b> The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.....	¼ oz.	25c 10
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### Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer-until late in the fall.

3728	Scarlet Gem.....	10	3730	Golden Gem.....	10
3729	White Gem.....	10			
3731	Mixed, all colors.....	¼ oz.	15c 10		

### Pumila Double 18-inch

Extra double flowers, produced on regular dwarf plants.

3732	Snow Ball.....	10	3734	Pink Ball.....	10
3733	Golden Ball.....	10	3735	Fire Ball.....	10
3736	Mixed, all colors.....	¼ oz.	15c 10		
3740	<b>Pompon Double Mixed 2 ft.</b> A very fine strain, containing many rich colors and shades. The flowers are in size between the Liliput and the Large-flowering varieties.....	½ oz.	15c 05		
3745	<b>Red Riding Hood 1 ft.</b> Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective.....	¼ oz.	25c 10		
3750	<b>Mexicana Hybrida 12 in.</b> Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty.....	¼ oz.	25c 10		
3755	<b>Mexicana Hybrida Fl. Pl. 15 in.</b> Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation.....	¼ oz.	25c 10		

3765	<b>XERANTHEMUM Double Mixed ☉ 2 ft.</b> Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple.....	¼ oz.	15c 05		
3770	<b>ZEJA Japonica Quadricolor Perfecta ☉ 4 ft.</b> This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red.....	¼ oz.	20c 05		
3775	<b>WILD FLOWER GARDEN.</b> A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. 75c; ¼ lb. 25c; 1 oz. 10c.....	05			

# HARDY PERENNIALS SEEDS-PLANTS

## General List

PAPAVER ORIENTALE (Oriental Poppy)

We enclose a free pamphlet, "How to Grow Hardy Plants", with each order for PLANTS of \$1.00, when asked for.

The spirited and perpetual charm of hardy gardens has won for them wide and intense enthusiasm. While natural and restful in general effect, their beauty is yet ever varying and ever appealing, for flowers may be found in them throughout the season—something new of interest every day. Inspiration for the best work of recent years has come from gardens planted long ago. We have seen them grow into richer, fuller and mellower beauty instead of fading with time, and how colonies of old garden favorites sometimes outlive, on the same spot, three

generations of owners. Thus we are learning to take the finer, more enduring old gardens for our models, welcoming back to our borders the drifts of Snow-pinks, the gay Peonies, and Hollyhocks, sweet-breathed Day Lilies, brilliant Poppies, the Larkspurs, Phloxes, Irises, and all the year's train of the oldtime Hardy Flowers. We offer here a most complete list of seeds and plants of these hardy flowers.

Customers will please state distinctly which they require **Plants, Seed, or both**, where such are offered, and use the order sheets supplied for each.

### SEED SOWING

Raising Perennials from seed requires a knowledge of plants, their likes and dislikes, which cannot be conveyed in a few words, but a few things to be done and to be remembered will be found acceptable to the amateur whose facilities for seed starting may be scant, while to the accomplished gardener with all the latest appliances we may perchance, renew his elementary rules:

**THE TIME TO SOW** Many Perennials such as Aquilegia, Gaillardia, Hollyhock, Myosotis, Larkspur, Sweet William, etc., sown inside very early in Spring, (Feb. or March) should blossom the same year, but the best months for sowing all Perennials and Biennials are July or August, outdoors, and is the best way for those who have no conservatory or cold frame for early sowing.

**STARTING THE SEED INSIDE** Fill the seed boxes, pans or pots with a light, well pulverized mixture, of sand and fresh loam, and sow seeds on the surface, or not more than 1/4-inch underneath. Water as required and give air and light, shading during bright days. When strong enough, transplant into large flats, or to permanent quarters.

**LATE SUMMER AND FALL SOWING** Sow in boxes outside and shade, or in partially shaded border or cold frame; later plant out permanently, and at the commencement of frost give them a light covering of straw, leaves or dry litter. Biennials should be put in cold frame and protected during winter.

### PLANTING

It is always advisable to have a planting plan, no matter how crude, and arrange on a paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting our list. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible.

Parties ordering for first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience.

Bearing in mind that the plants must remain as set for several years, it is as well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure and bone meal in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground. The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will then give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid. (These notes refer only to the spring planting of established plants from our plant establishment.)

### VAUGHAN'S "SUNNY BORDER" COLLECTION HARDY PLANTS

For planting in sunny situation

- |                             |                         |
|-----------------------------|-------------------------|
| 1 Achillea, The Pearl       | 1 Dianthus (Hardy Pink) |
| 3 German Iris               | 3 Phlox (3 colors)      |
| 2 Gaillardia Grandiflora    | 3 Hardy Asters          |
| 3 Delphinium                | 1 Coreopsis             |
| 1 Hemerocallis (Lemon Lily) | 1 Hollyhock             |
| 1 Helenium (Sunflower)      | 1 Funkia Lanceolata     |
| 1 Rudbeckia                 | 3 Sweet William         |

25 STRONG PLANTS FOR \$3.00 PREPAID

### VAUGHAN'S "SHADY BORDER" COLLECTION HARDY PLANTS

For planting in shade or partial shade

- |  |                                  |
|--|----------------------------------|
| 2 Aconitum Spark's Var. (Monkshood)    | 2 Funkia (Day Lily)              |
| 2 Anemone Canadensis                   | 2 Papaver (Oriental Poppy)       |
| 3 Aquilegia Mixed (Columbine)          | 2 Primula Veris (Hardy Primrose) |
| 3 Campanula Persicifolia (Peach Bells) | 1 Trollius                       |
| 3 Digitalis Mixed (Foxglove)           | 1 Hardy Fern                     |
| 3 Iberis (Hardy Candytuft)             | 1 Rudbeckia Newmanni             |

25 STRONG PLANTS FOR \$3.00 PREPAID

We do not offer these collections in seeds. Please do not ask us to substitute any of the above plants.

**NOTE**—The numbers in left hand column indicate varieties of which we offer SEED, this number is sufficient and more acceptable to us when ordering seeds. Where no number appears, we offer PLANTS only.

When ordering SEEDS don't overlook

### VAUGHAN'S SPECIAL MIXTURES

Watch for this Sign



It's a small thing to look for—A big thing to find

These mixtures are put up by ourselves. We know everything they contain. The finest strains that we can grow or buy are put into them, and the results have already been and will be again a grand surprise to all flower lovers.

**How to Order.** Put Plants on separate order sheet from Seeds and Bulbs. When ordering PLANTS, give names of varieties. When ordering SEEDS, use marginal numbers.

We cannot supply plants of any varieties, where plants are not offered, nor can we supply seeds of those where plants only are mentioned.

### PLANTS BY PARCEL POST

When requested we send small orders by this means, but always prefer to send BY EXPRESS, as we can send larger plants, pack more carefully, and they arrive in better condition. Please remit extra money as follows for postage: Single plants, 5c; 3 plants, 10c; 6 plants, 15c. 12 plants, 20c.

### ABOUT PRICES OF PLANTS

Where the price each is given, the following are our rates for 3 and 12 of a kind.					
Each	3 for	Dozen	Each	3 for	Dozen
15c	.....\$1.50	35c	.....\$1.00	.....	\$3.50
20c	.....55	2.00	40c	.....1.10	4.00
25c	.....65	2.50	45c	.....1.25	4.50
30c	.....80	3.00	50c	.....1.40	5.00

## Perennial Flower Seeds and Plants



**ACHILLEA—The Pearl**

taken that the Aconitums are not planted in or near the kitchen garden, where their tuberous roots, which are poisonous, might accidentally be used for food.

- 5004 **Fischeri**. 2 ft. Sept. Large porcelain blue flowers. . . . . Per Pkt. .10
- 5005 **Napellus**. 2½ ft. Aug. Fine rich blue flowers. ½ oz., 25c . . . . . .10
- Bicolor**. 5 ft. Aug. Blue and white, fine for cutting. Each, 25c; doz., \$2.50 . . . . .
- Spark's Variety**. 5 ft. Aug. Violet blue. Plants, each 25c. doz., \$2.50 . . . . .
- 5006 **Wilsoni**. Deep blue flowers, on large trusses. . . . . .10
- 5007 **ADENOPHORA Potaninii**. 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August. Per ⅛ oz., 25c . . . . . .10
- 5008 **ADLUMIA Cirrhosa (Allegheny Vine)**. 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. .10
- 5009 **ADONIS Vernalis**. 18 in. May. Large star shaped yellow flowers. ¼ oz. 15c . . . . . .05
- 5010 **AGATHEA Coelestis (Blue Daisy)**. ⅛ oz., 25c . . . . . .10
- AGROSTEMMA**.
- 5011 **Coronaria Varieties Mixed**. June-Sept. Mullein Pink, 1 to 2 ft. ½ oz. 15c . . . . . .05
- 5012 **Flos Jovis**. 1 ft. Beautiful pink flowers. ½ oz. 15c . . . . . .05
- AJUGA (Bugleweed)**.
- Reptans Atropurpurea**. 6 in., May. A very useful dwarf plant, with brilliant blue flowers, fine rock and border plant. Plants, each 15c; doz., \$1.50 . . . . .
- ALYSSUM (Madwort)**.
- 5013 **Saxatile Compactum (Basket of Gold)**. 1 ft. May-June. Greatly prized for its masses of golden yellow flowers. ⅛ oz., 15c . . . . . .05
- 5015 **AMPELOPSIS Veitchii (Boston Ivy)**. Small leaved, self-clinging, Virginia Creeper. ½ oz. 15c. (See also climbing vines). . . . . .05

- 5000 **ACANTHUS Latifolius**. Aug. 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants. . . . . Per Pkt. .10
- 5001 **Mollis**. Flower spikes 4 ft. high of white and lilac flowers. Per oz., 25c. Plants, each 15c; doz., \$1.50 . . . . . .10
- ACHILLEA. (Yarrow, Milfoil)**  
Free flowering plants of easy culture for the mixed border; most of the varieties are very suitable for cutting.
- 5002 **Ageratum**. June-Aug. A yellow flowered, sweet scented perennial which grows rapidly and blooms the first year from seed. Per ¼ oz., 25c . . . . . .15
- Filipendula, Parker's Variety**. June-Aug. 1½ ft. Flat heads of pale yellow flowers. Plants, each 15c; doz., \$1.50 . . . . .
- Millefolium Roseum**. 2 ft. June-July. Large umbels of bright rose-pink colored flowers. Plants, each 15c; doz., \$1.50 . . . . .
- Ptarmica fl. pl. Boule de Neige**. 2 ft., June to Aug. Large, double, pure white flowers. Plants, each 15c; doz., \$1.50 . . . . .
- Perry's White**. 2 ft., June to Aug. Flowers fully double and pure white, very free and continuous; the best of all. Plants, each 25c; doz., \$2.50 . . . . .
- 5003 **The Pearl**. 2 ft. June to Aug. Pure white, fine for cutting. Plants, each 15c; doz. \$1.50; 100, \$10.00. ⅛ oz. 50c . . . . . .10

### ACONITUM (Monkshood).

Handsone herbaceous plants, with bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies thriving anywhere, either in shady or sunny aspect.

Summer and autumn flowering. Care should be



**ANCHUSA ITALICA**

- 5016 **ANCHUSA Italica, Dropmore Variety**. 5 ft. June-July. An improvement on the old variety, larger blue flowers, and plant of better habit. Plants, each 25c; doz., \$2.50. ⅛ oz., 30c . . . . . .15
- Myosotidiflora**. May-June. 1 ft. Producing in spring and early summer, panicles of blue forget-me-not-like flowers. Plants, each 25c; doz., \$2.50 . . . . .
- 5018 **Opal**. June-July. (New.) 3-4 ft. Large pale blue flowers. Fine color and lasting. Plants, each 25c; doz., \$2.50 . . . . . .25
- ANEMONE (Wind Flower)**.  
Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.
- Canadensis**. 1 ft. June. Masses of starry white blossoms. Plants, each 15c; doz., \$1.50 . . . . .
- 5019 **Coronaria (Poppy Anemone) Mixed Colors**. June. 10 in. ¼ oz. 20c . . . . . .05
- 5020 **St. Brigid's Strain**. May-June. Double and Single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. ⅛ oz., 30c .15
- 5021 **Pulsatilla**. 10 in. Blooms in May. Flowers violet or purple. ⅛ oz., 50c . . . . . .10
- 5022 **Sylvestris (Snow Anemone)**. 1½ ft. May to June. One of the most satisfactory for the border; flowers large, cup-shaped, pure white. ⅛ oz., 40c . . . . . .10
- Japonica Varieties (Japanese Anemones)**.  
These rank amongst the showiest and most useful of late summer and autumn flowering hardy border plants. For cutting all are of inestimable value, as they flower at a season when hardy flowers are in demand and getting scarce.
- Alice**. 3 ft. New. Large clear rose flowers. Plants, each 30c . . . . . } doz., . . .
- Geante des Blanchés**. 2 ft. Fine pure white. Plants, each 30c . . . . . } \$3.00 . . .
- Honorine Joubert**. Pure white, 2 ft. Plants, each 15c; doz., \$1.50. Per 100, \$10.00 . . . . .



**ANEMONE JAPONICA**

When Ordering—If SEEDS use numbers; if PLANTS give names.



## Perennial Flower Seeds and Plants

### ANEMONE Japonica—Continued.

Per Pkt.

- Kriemhilde.** Beautiful rose-carmine. 2 ft. Plants, each 25c.; doz., \$2.50 .....  
**Prince Henry.** Deep red. Very beautiful. 2 ft. Plants, each 15c; doz., \$1.50 ..  
**Queen Charlotte.** Double, delicate pink. 2½ ft. Plants, each 15c; doz., \$1.50 ..  
**Rosea Superba.** Rose pink. 2 ft. Plants, each 15c.; doz., \$1.50 .....  
**Whirlwind.** Double white. 3 ft. Plants, each 15c.; doz., \$1.50 .....

Note.—Although Japanese Anemones do well in shade they are better planted in a sunny exposure in the latitude of Chicago, on account of the early frosts we frequently have.

- 5025 **ANTHEMIS Kelwayi. (Hardy Marguerite).** 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms. Planted as a border or in masses, is excellent for cutting. Plants, each 15c; doz., \$1.50. ¼ oz., 25c ..... 10  
 5026 **Tinctoria.** Paler than the above. Plants, each 15c; doz., \$1.50. ½ oz., 25c.... 10

### AQUILEGIA (Columbine).

Columbines are among the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They thrive in almost any situation, and adapt themselves most readily to naturalization. Our Long-Spurred Mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and of great value for massing, and with their long stems are splendid for cutting. All plants per 100, \$10.00.

- 5027 **Canadensis (Turk's Cap)** Handsome scarlet and orange flowers. Plants, each 15c; doz., \$1.50. ½ oz., 25c ..... 10  
 5028 **Chrysanth 3 ft. Yellow, long spurred.** Plants, each 15c; doz., \$1.50: ½ oz. 30c 10  
 5029 **Chrysanth Fl. Pl. 3 ft. Double golden yellow flowers.** Plants, each 15c; doz., \$1.50. ½ oz., 40c ..... 10  
 5030 **Chrysanth Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. Plants, each 15c; doz., \$1.50. ½ oz., 40c ..... 10



ANTHEMIS TINCTORIA

Per Pk

- 5031 **Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Plants, each 15c; doz., \$1.50. ½ oz. 25c ..... 10  
 5032 **Coerulea Hybrida, (Haylodgensis).** 2½ ft. Long spurred hybrids. Plants, each 15c; doz., \$1.50. ½ oz. 30c ..... 10  
 5033 **Coerulea Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Plants, each 15c; doz., \$1.50 ..... 15  
 5034 **Coerulea Candidissima.** Pure white ..... 15  
 5035 **Helena.** 2 ft. Large flowers of rich deep blue, with a white corolla ..... 10  
 5036 **Long Spurred Columbines.** A new and improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. Plants, each 25c; doz., \$2.50. ½ oz., 40c ..... 15  
 5037 **Nivea Grandiflora.** 15 in. Large pure white ..... 05  
 5038 **Scarlet and Pink Shades.** Very showy and beautiful ..... 26  
 5039 **Skinneri (Mexican Columbine).** Large scarlet and yellow flowers. .... 15  
 5040 **Truncata.** Orange scarlet with yellow ..... 10  
 5041 **Vervaeana Atrovioacea Plenissima.** Double violet ..... 15  
 5042 **Vulgaris Alba Plena.** 2 ft. Double white flowers ..... 05  
 5043 **Single Mixed.** Many varieties, ¼ oz. 15c. Plants, each 15c; doz., \$1.50 .... 05  
 5044 **Double Mixed.** ¼ oz. 15c ..... 05  
 5047 **VAUGHAN'S SPECIAL MIXTURE** includes all the above mentioned varieties and many new colors not found in any named collection. Plants, each 25c; doz., \$2.50. ½ oz., 40c ..... 25



### AQUILEGIA (Columbine)

### ARABIS (Rock-Cress).

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, rockwork and edgings.

Per Pkt.

- 5048 **Alpina, 6 in. Pure white.** Plants, each 15c; doz., \$1.50; Per 100, \$10.00 .... 05  
 5048a **Grandiflora Superba.** ½ oz., 30c ..... 15

### ARENARIA (Sand-Wort).

Fine subjects for the rock garden. Spring and early summer flowering.

- 5049 **Caespitosa.** 3 in. Trailing evergreen perennial for rock garden, forming a dense carpet of foliage. Flowers pure white in May ..... 15  
 5050 **Montana (Mountain Sandwort).** 6 in. A close growing creeping variety, smothered with dainty white blossoms in early summer ..... 10  
 5051 **ARISTOLOCHIA Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. Plants, 2 yr. each 35c; 3 yr. each 50c. ¼ oz., 25c ..... 10

### ARMERIA (Thrift, Sea Pink or Cliff Rose).

Grand plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea-coast. June-July.

- 5052 **Formosa.** 9 in. Pretty rose pink. Grand for borders. ¼ oz., 20c ..... 10  
 5053 **Lauchiana.** 6 in. Crimson flowers, deep green tufty foliage. Plants, each 15c; doz., \$1.50. Per 100, \$10.00 ..... 10  
 5054 **Maritima.** 3 in. Silvery pink flowers. ½ oz., 20c ..... 05  
 5055 **ARTEMISIA Lactiflora.** 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. Plants, each 25c; doz., \$2.50; per 100, \$18.00 ... 10



ARTEMISIA LACTIFLORA

Order Seeds by numbers; Use Separate Order Sheet for Plants

**Perennial Flower Seeds and Plants**

ASTER—Michaelmas Daisy

- 5056 **ASCLEPIAS Tuberosa** (Butterfly Weed). 2 ft. One of the showiest of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. *Plants, each 15c; doz., \$1.50.*.....10
- 5057 **ASPERULA Odorata** (Waldmeister). 6 in. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine.  $\frac{1}{8}$  oz., 20c.....10
- 5059 **ASPHODELUS Albus**, June-July, 3 ft. Stately spikes of pure white flowers. ....15
- 5060 **Luteus**, Fragrant yellow flowers; very effective. ....15
- 5061 **ASTER Alpinus** (Hardy Alpine Aster or Blue Mountain Daisy). 8 in. June-July. Dwarf species, with large, purple flowers. Fine for rockeries and mixed borders. *Plants, each 15c; doz., \$1.50.*.....10
- 5062 **Speciosus**. Rich purple, very large. ....25
- 5064 **Large Flowering Mixed**. Various shades of blue. Fine.  $\frac{1}{4}$  oz. 40c.....25
- ASTER (Michaelmas Daisy).**  
Michaelmas Daisies now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases and church decoration, etc., they provide an inexhaustible supply.
- 5065 **Amellus Bessarabicus**. (New). 2 ft. Very deep blue. ....15
- 5066 **Novae Angliae**. 3 ft. Sept.-Oct. Deep purplish blue. *Each, 15c; doz., \$1.50.*.....10
- Mrs. J. F. Raynor**. (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer. *Plants, each 35c; doz., \$3.50.*.....
- Novae Belgiae, Abenrote**. 4 to 5 ft. Light pink, fine. *Plants, each 20c; doz., \$2.00.*.....

**Climax**. 4 to 5 ft. New. This, in our opinion, is the best Michaelmas Daisy introduced in many years. Forms branching plants covered in fall with delightful lavender blue flowers from one to two inches in diameter. *Each 50c; doz., \$5.00.*

- 5067 **Ptarmicoides**.  $1\frac{1}{2}$  ft. Distinct, pure white flowers. ....10
- 5068 **Subcoeruleus**.....10
- 5069 **Townshendi**. 2 ft. Pinkish lilac, fine for cutting. ....10
- Wells' White**. 3 ft. Large incurved flowers of great beauty. *Plants, each 50c; doz., \$5.00.*.....
- 5071 **BAPTISIA Australis** (False Indigo). 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. *Each 15c; doz., \$1.50.*  $\frac{1}{4}$  oz. 25c. ....05
- BELLIS PERENNIS (Double Daisy).**  
6 to 8 in. April-June. A charming old favorite, for edging beds, borders or rockwork.
- 5073 **Snowball**. Double pure white.  $\frac{1}{8}$  oz. 35c.....10
- 5074 **Longfellow**. Double dark pink.  $\frac{1}{8}$  oz. 35c.....10
- 5075 **Double Good Mixture**.  $\frac{1}{8}$  oz. 25c.....05
- 5076 **Mammoth White**. Larger than Snowball. } *Plants*  $\frac{1}{8}$  oz. 50c...10
- 5078 **Mammoth Pink**. Larger than Longfellow. } *each 10c; doz., \$1;*  $\frac{1}{8}$  oz. 50c...10
- 5079 **Mammoth Mixed**.....100  $\frac{1}{8}$  oz. 50c...10
- 5080 **Monstrosa White**. Flowers frequently attain the size of Zinnias. The flower-stems are long and stiff.  $\frac{1}{16}$ -oz. 50c.....10
- 5081 **Monstrosa, Pink**.  $\frac{1}{16}$ -oz. 50c.....10
- 5082 **Double Red**.....20
- 5082a **New Double Rosy White**, frilled...20
- 5083 **BETONICA Grandiflora Superba** (Woundwort). 1 ft. June. A showy dwarf plant for borders, with deep purple tubular flowers.  $\frac{1}{8}$  oz. 35c.....10

**BLEEDING HEART**. See Dielytra



BOCCONIA

- 5084 **BOCCONIA Cordata** (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under-surface, and flower plumes of a pretty cream color. *Plants, each 15c; doz., \$1.50.*  $\frac{1}{2}$  oz., 40c.....10
- 5085 **BOLTONIA Asteroides** (False Chamomile.) 6 ft. White. Large daisy-like flowers, valuable for cutting. *Plants, each 15c; doz., \$1.50.*.....10
- 5086 **Latisquama**. Delicate pink. *Plants, each 15c; doz., \$1.50.*.....10
- BUDDLEYA Variabilis Veitchianus** (Butterfly Bush). 3 ft. Aug.-Oct. A new and beautiful shrub-like plant, producing pendulous branches terminating in long spikes of beautiful lilac-mauve flowers. Requires same protection as Roses in winter. Planted with Aster "Climax" (above) the effect of the combination will delight those who try it. *Each 15c; doz., \$1.50; Larger Plants, each 25c; doz., \$2.50.*.....
- BUPHTHALMIUM (Ox Eye).**  
Useful border plants for cutting. Very easily grown.
- 5087 **Cordifolium**. 4 ft. July. Large yellow flowers on long stems.  $\frac{1}{8}$  oz. 25c.....10
- 5088 **Salicifolium**. 1 ft. August. Neat bushy plant, covered with yellow flowers. ....10
- CAMPANULA (Bell Flower).**  
Bell-shaped flowers, well known and most easily grown; equally useful for flower border, shrubbery or wild garden.
- 5090 **Carpatica** (Harebell.) 9 in. July. Pretty dwarf blue. *Plants, each ... 15c; doz., \$1.50.*  $\frac{1}{8}$  oz., 15c.....05
- 5091 **Alba**. 9 in. July. Pure white. *Plants, each 15c; doz., \$1.50.*  $\frac{1}{8}$  oz., 15c.....05
- 5092 **Calycanthemum** (Cup and Saucer). 2 ft. June to Aug. **Mixed Colors.** *Plants, each 15c; doz., \$1.50.*  $\frac{1}{8}$  oz. 20c.....05



BOLTONIA ASTEROIDES


When Ordering—If SEEDS, use Numbers; if PLANTS, give Names.

## Perennial Flower Seeds and Plants

### CAMPANULA Calycanthema—Continued

		Per Pkt.
5093	White, (5094) Pink, or (5095) Blue. Each, 15c; doz., \$1.50. 1/8 oz., 25c..	.05
5096	Striped. 1/8 oz., 25c.....	.05
5097	Crystallocalyx. August. Medium bell shaped blue flowers in fine spikes..	.25
5098	Glomerata Dahurica. 1 1/2 ft. June-July. A fine plant, far too little grown. Crowded heads of rich dark purple flowers.....	.20
5099	Grandis. 2 ft. June. Fine spikes of violet blue.....	.10
5100	Lactiflora Alba. 3-4 ft. Very large pure white bells.....	.15
	Lactiflora Alba Magnifica. 4 ft. Flowers pure white, borne in large heads on erect stems. Plants, each 50c; doz., \$5.00 ..	
5101	Coerulea. Dwarf in habit, rich blue. Plants, each 25c; doz., \$2.50.....	.10
5102	Latifolia (Macrantha). 3 ft. Erect stems, large pendulous bells, rich violet blue. 1/4 oz., 25c.....	.10
5103	Longistyla. 2 ft. Branching spikes of drooping violet flowers.....	.10
	Medium (Canterbury Bell). 2 ft. 5104 Single White. 1/8 oz., 20c...	.05
5105	Single Blue. 1/8 oz., 20c	.05
5107	Single Striped. 1/8 oz., 20c.....	.05
	Blue, Pink or White. Separate colors. Plants, each 15c; doz., \$1.50 ...	
5108	Single Mixed. Plants, each 15c; doz., \$1.50; 100, \$10.00. 1/8 oz. 10c...	.05
5109	Double Mixed. 1/8 oz. 15c.....	.05
5110	Mirabilis (Species). Branching spikes of clear mauve flowers.....	.10
5111	Persicifolia (Peach Bells). 2 ft. Blue. Each 15c; doz., \$1.50; 1/8 oz., 25c	.10
5112	Persicifolia Alba. White. 1/8 oz., 25c.....	.10

### CAMPANULA (Canterbury Bell)

oz., 25c.....	10	Per Pkt.
5112a	<b>Moerheimi.</b> Large white semi-double flowers .....	.25
5113	<b>Mixed.</b> A grand assortment of the above.....	.10
5114	<b>Pyramidalis</b> (Chimney bell flower). 5-6 ft. <b>Blue.</b> <i>Plants, each 25c; doz. \$2.50. 1/8 oz., 20c.....</i>	.10
5115	<b>Pyramidalis Alba.</b> White. <i>Plants, each 25c; doz., \$2.50. 1/8 oz., 20c.....</i>	.10
5116	<b>Trachelium</b> (Nettle-leaved Campanula). 2ft. <b>Blue.</b> <i>Each 15c; doz., \$1.50.....</i>	.10
	<b>Album.</b> White. <i>Plants, each, 20c; doz., \$2.00.....</i>	...
5117	<b>Vaughan's Special Mixture.</b> A grand assortment of all varieties. Fine for cut flowers.....	.25
	<b>CANDYTUFT</b> — See <b>Iberis.</b> <b>CANTERBURY BELL</b> — See <b>Campanula Medium</b>	



CANDYTUFT — See Iberis. CANTERBURY BELL — See Campanula Medium

### CARNATION (Hardy). Old fashioned flowers, valuable for border decoration and cutting.

5120	Grenadin. Fine scarlet. Perfectly hardy. Plants, each 25c; doz., \$2.50; 1/8 oz., 30c	.10
5121	Grenadin, White. 1/8 oz., 40c.....	.10
5122	Vienna Dwarf Mixed. 1/8 oz., 30c.....	.10
5124	Double Mixed, Extra Choice. 1/8 oz., 30c.....	.10
5125	CASSIA Marylandica (American Senna). 2 1/2 ft. A hardy plant of shrubby growth with panicles of yellow pea-shaped blossoms. Plants, each 20c; doz., \$2.00. 1/4 oz., 15c.....	.10
5126	CATANANCHE Coerulea. 3 ft. June-Sept. Fine blue flower. 1/8 oz., 20c.....	.10
5127	Bicolor. Blue and white. 1/8 oz., 20c.....	.10

### CENTAUREA (Hardheads, Knapweed.)

July-August. Good plants for the flower border or wild garden, with thistle-like flowers.

5130	<b>Macrocephala (Great Knapweed).</b> 4 ft. Large heads of golden yellow flowers, useful for cutting. $\frac{1}{4}$ oz., 25c.....	Per Pkt. .10
5132	<b>Montana Alba.</b> 2 ft. White, very showy. $\frac{1}{8}$ oz., 40c.....	.10
5133	<b>Blue.</b> $1\frac{1}{2}$ ft. Beautiful blue hardy Cornflower. $\frac{7}{8}$ oz., 25c. Plants, each 15c; doz., \$1.50 .....	.10
5134	<b>Pulcherrima.</b> 3 ft. Rosy pink flowers in great abundance. Plants, each 20c; doz., \$2.00 .....	.15
5135	<b>Ruthenica.</b> 4 ft. Elegant straw-colored flowers.....	.10
5136	<b>CEPHALARIA Alpina.</b> 3-4 ft. Pretty yellow flowers for herbaceous border.....	.10
5137	<b>CERASTIUM Tomentosum (Snow in Summer).</b> 4 in. Silvery white foliage, covered with snow white flowers in early summer .....	.10
5138	<b>CHEIRANTHUS Allioni.</b> 1 ft. Fine rock or border plant with brilliant orange .....	.10
5139	<b>CHELONE Barbatus Torreyi.</b> 3 ft. July, Aug. Long coral red spikes like a pentstemon. Plants, each 15c; doz., \$1.50. $\frac{7}{8}$ oz., 20c.....	.10
5140	<b>Hybrida Mixed.</b> $\frac{1}{8}$ oz., 20c.....	.10
5141	<b>Lyoni.</b> 2 ft. Freely covered with rosy purple flowers.....	.10
5143	<b>CHIVES.</b> Used for seasoning. Plants, each 10c; doz., \$1.00. $\frac{1}{2}$ oz. 30c.....	.10
5145	<b>CHRYSANTHEMUM Maximum (Moonpenny Daisy).</b> 2-3 ft. Hardy white daisy, excellent for cutting. Plants, each 15c; doz., \$1.50. $\frac{1}{4}$ oz. 15c.....	.05
5146	<b>King Edward VII.</b> $2\frac{1}{2}$ ft. Very large white flowers on stout stems. Plants, each 15c; doz., \$1.50. $\frac{1}{4}$ oz., 25c .....	.10
	<b>Laciniatum.</b> 2 ft. White; good for cutting. Plants, each 20c; doz., \$2.00...	
5147	<b>Market Favorite.</b> Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time.....	.15
5148	<b>Mrs. C. Lothian Bell.</b> The largest of the maximum hybrids. Plants, each 15c; doz., \$1.50. $\frac{1}{8}$ oz., 30c.....	.15
5149	<b>Single Early Flowering Hybrids.</b> Blooms from seed the first year if sown early	.10

6 Plants supplied at dozen rate. Write for Special price per 100 where not mentioned.

### CAMPANULA (Canterbury Bell)

Per Pkt.

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5115	Pyramidalis Alba. White. Plants, each 25c; doz., \$2.50. 1/8 oz., 20c.....	.10
5116	Trachelium (Nettle-leaved Campanula). 2 ft. Blue. Each 15c; doz., \$1.50.....	.10
	Album. White. Plants, each, 20c; doz., \$2.00.....	
5117	Vaughan's Special Mixture. A grand assortment of all varieties. Fine for cut flowers.....	.25

CANDYTUFT — See Iberis. CANTERBURY BELL — See Campanula Medium

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6 Plants supplied at dozen rate. Write for Special price per 100 where not mentioned.

### CIMICIFUGA



## Perennial Flower Seeds and Plants



DAISY—Shasta

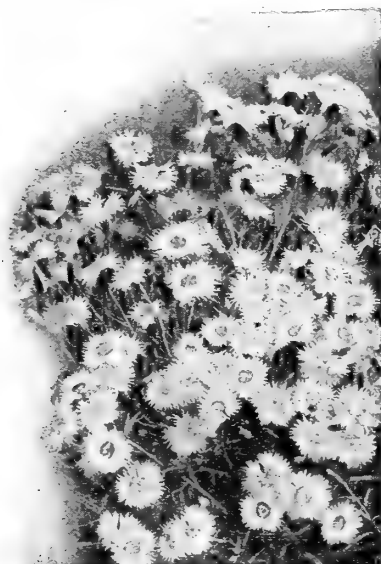
- 5155 **Grandiflora Eldorado.** Large flowers, brilliant orange yellow. *Plants, each 15c.* Per Pkt. doz., \$1.50. 1/4 oz. 30c. .10
- 5156 **CRUCIANELLA Stylosa.** 6 in. Dwarf rampant carpeting plant, grows anywhere. Flowers bright crimson. 1/2 oz. 15c. .10
- DAISY (English). See Bellis.
- 5157 **DAISY, Shasta.** (Ox-eye Daisy.) 2 ft. Gives a wonderful show of large white flowers. Fine for cutting. *Plants, each 15c; doz., \$1.50.* 1/8 oz. 30c. .10

### DELPHINIUM (Hardy Larkspur)

Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which we hold a large and up-to-date assortment including the very newest.

(Species). Flowering from June to August.

- 5159 **Cashmerianum.** 15 in. Dwarf habit, rounded terminal spikes of dark blue, hooded flowers. 1/8 oz. 75c. .15
- 5160 **Caucasicum.** 18 in. Magnificent sky blue. 1/8 oz. 20c. .10
- 5161 **Chinense (Chinese).** 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. *Plants, each 15c; doz., \$1.50.* 1/8 oz. 15c. .05
- 5162 **Album** 2 ft. pure white. *Plants, each 15c, doz., \$1.50.* 1/8 oz. 15c. .05
- 5162a **Cineraria, (New).** 18 in. True rich blue, open spike. *Plants, each 25c. doz., \$2.50* .15
- 5163 **Elatum Hybridum, Single Mixed.** 3 ft. 1/2 oz. 30c. .05
- 5164 **Double Mixed.** 3 ft. 1/4 oz. 50c. .15
- 5165 **Formosum.** 3 ft. Deep blue, white eye, open spike. *Plants, each 15c; doz., \$1.50.* 1/4 oz. 25c. .10
- 5166 **Coelestinum,** Charming pale blue. *Plants, each 15c; doz., \$1.50.* 1/4 oz. 50c. .10
- 5167 **Grandiflora,** Deep blue, large flowers, fine. .15
- 5168 **Nudicaule.** 1 ft. Dwarf brilliant scarlet flowers. .20



DIANTHUS (Hardy Pink)

### CIMICIFUGA (Snake Root). Aug.-Oct.

Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October.

- 5150 **Dahurica.** 4 ft. Feathery spikes, much branched, elegant and distinct. *Plants, each 35c; doz., \$3.50.* .10
- 5151 **Racemosa.** 4 ft. Large fern like foliage with white drooping spikes. .10
- Simplex.** 3 ft. A grand, but little known autumn flowering plant. Its white flower spikes measure from 1 1/2 to 2 ft. long, lasting until the end of October. Graceful fern-like foliage. *Plants, each 50c; 3 for \$1.40; doz. \$5.00.* .10
- CLEMATIS (Herbaceous).** Summer flowering.
- Davidiana.** Aug.-Sept. Tubular bell-shaped flowers of deep lavender blue. *Plants, each 25c; doz., \$2.50.* .10
- Recta.** 4 ft. Erect growing, forming quite a cloud of white flowers. *Plants, each 25c; doz., \$2.50.* .10
- Recta fl., plena.** 4 ft. Dense corymbs of creamy double flowers. *Plants, each 50c.* .10
- 5152 **CLEMATIS Paniculata (Climbing.)** 15 ft. Fall-flowering vine with white flowers. 1/4 oz., 30c. For plants see Climbing Vines. .10
- 5153 **Large Flowering Mixed.** Blue, white and purple. 1/4 oz., 75c. .15
- (For other Clematis, see Climbing Vines.)
- 5154 **COREOPSIS (Tickseed).** June to October.

**Lanceolata.** 2 ft. Large orange-yellow flowers, much prized for cutting. *Plants, each 15c; doz., \$1.50.* 1/4 oz. 20c. .10




DELPHINIUM—Gold Medal Hybrids

- 5169 **Sibiricum Hybridum.** 1 1/2 ft. Fine blue shades. 1/8 oz. 25c. .10
- 5170 **Zalil.** 3 ft. Clear sulphur yellow flowers, light graceful habit. .25
- (Named Hybrids). Flowering from June to August.
- 5171 **Belladonna** 2 ft. Loose spikes of clear azure blue. *Plants, each 25c; doz., \$2.50.* .15
- Belladonna Semi-plena.** 2 ft. (New.) Clear bright blue, dwarf branching habit, splendid for cutting. *Plants, each 50c; 3 for \$1.40; doz., \$5.00.* .15
- 5172 **Belladonna Hybrids, Mixed, all colors,** from pale to deep blue. 1/8 oz. 50c. .15
- Cliveden Beauty.** 3 ft. Beautiful pale blue flowers. *Plants, each 20c; doz., \$2.00* .15
- Capri (New).** 5 ft. Single sky-blue flowers, borne on stems 5 ft. long, with numerous side sprays over 2 1/2 ft. in length. *Each 50c; 3 for \$1.40; doz., \$5.00.* .15
- Corry.** (New.) 5 ft. Large circular flowers of bright blue with white eye. Flowers are full and very double. Large spikes. *Plants, each 75c; doz., \$8.00.* .15
- 5173 **Indigo.** (New.) 4 ft. Pure indigo blue, comes true from seed. .25
- King of Delphiniums.** 5 ft. We pronounce this the best deep blue Delphinium we have yet seen. Bears immense spikes of pure indigo blue. *Plants, each 50c; doz., \$5.00.* .15
- Lamartine.** (New.) 4 ft. Single dark blue flowers with white center; free branching habit. *Plants, each 50c; 3 for \$1.40 doz. ;\$5.00.* .15
- Moerheimi.** (New.) The purest and best white Delphinium. A continuous bloomer valuable for cutting. *Plants, each 50c; 3 for \$1.40; doz., \$5.00.* .15
- Mrs. Thompson.** Clear distinct gentian blue flowers on erect spikes borne very freely. *Plants, each 35c; doz., \$3.50.* .15
- Theodora.** (New.) 4 ft. Beautiful shade of cornflower blue, large spikes. One of the best of late introductions. *Plants, each 50c; doz., \$5.00.* .15
- Zuster Lugten.** (New.) 4 ft. Rich deep blue, large spikes. *Plants, each 50c; doz., \$5.00.* .15

When Ordering—If SEEDS use Numbers; if PLANTS give Names, using separate order sheet.

## Perennial Flower Seeds and Plants

### DELPHINIUM (Larkspur)—Continued


- 5176 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to deep violet and indigo-blue. *Plants, each 25c; doz., \$2.50. 1/8 oz. 50c* .25
- 5177  **Vaughan's Special Mixture.** Contains a splendid assortment of both rich and delicate shades, the seed being saved from specially selected plants. Many new colors figure in this mixture.... .25

### DIANTHUS (Hardy Garden Pinks).

Charming summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

- 5178 **Deltoides.** 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant. *Plants, each 20c; doz., \$2.00* .10
- 5179 **Neglectus (Glacier Pink.)** 4 in. Firm cushions of brilliant rose flowers. 25 seeds .15
- 5180 **Plumarius Cyclops (Clove Pink.)** An exquisite mixture of colors. *Plants, each 15c; doz., \$1.50; 1/8 oz., 15c* .05
- 5181 **Diadematus.** 12 in. White, pink and crimson flowers in great masses. *Plants, each 15c; doz., \$1.50* .10
- Diamond.** 12 in. White, very early. *Plants, each 15c, doz., \$1.50* ..
- 5182 **Latifolius Atro-coccineus Plenus.** 15 in. Double fiery crimson. *Plants, each 15c; doz., \$1.50* .10
- Lilac Queen.** A very charming pale rosy-lavender. *Plants, each 20c; doz., \$2.00* ..

**Multiflorus Napoleon III.** 12 in. Double blood-crimson flowers, often flowers itself to death. The best of all hardy pinks. *Plants, each 20c; doz., \$2.00* ..

- New Double Pink.** 15 in. Very early, fine pink. *Plants, each 15c; doz., \$1.50* .15
- 5184 **Plumarius Perfection.** 15 in. White, crimson center .15
- 5186 **Nanus Fl., Pl.** Early, clove pink, double, produced in great profusion. 1/8 oz., 40c .15
- 5187 **Albus Plenus.** 12 in. Fine double white. 1/8 oz., 40c .10
- 5188 **Semperflorens.** 15 in. Single and Double, flowers all spring and summer. Mixed colors. 1/8 oz., 30c .10
- 5189  **Single Mixed.** Delicately fringed flowers. *Plants, each 15c. 1/4 oz., 10c.* .05
- 5190 **Double Mixed.** Fine for cutting. 1/4 oz. 50c .10
- 5191 **Vaughan's Special Mixture.** A grand selection of clove pinks. *Plants, each 20c; doz., \$2.00; 1/8 oz., 40c* .15

### DIANTHUS BARBATUS (Sweet William). 18 in. to 24 in.

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet Williams look well in solid beds or masses and require a good, rich, well manured soil to grow them to perfection, excellent border plants and fine cut flowers.


#### Single Varieties:

- 5192 **Carmine Beauty.** A charming and distinct color, midway between Pink Beauty and Scarlet Beauty. 1/8 oz., 50c .15
- 5193 **Copper Red.** A new and rich color. Attractive for cut flowers. .15
- 5194 **Diadematus.** One of the prettiest, flowers rose, spotted and sprinkled with white. *Plants, each 15c; doz., \$1.50* .10
- 5195 **Johnson's Giants.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. *Plants, each 15c; doz., \$1.50. 1/8 oz., 25c* .15
- 5196 **Nigrescens.** Flowers almost black. 1/4 oz., 25c .10

Per Pkt.

- 5197 **Salmon.** A very pleasing shade. 1/8 oz., 25c .10
- 5198 **Sutton's Scarlet.** A vivid scarlet color; very striking. *Plants, each 15c; doz., \$1.50. 1/8 oz., 30c* .10
- 5199 **Albus.** Single white. *Plants, each 15c; doz., \$1.50. 1/4 oz., 15c* .05
- 5200 **Atro-sanguineus.** Single blood-red. 1/4 oz., 20c .05
- 5201 **Roseus (Pink Beauty).** Single pink. *Plants, each 15c; doz., \$1.50; 1/4 oz., 20c* .05
- 5202 **Single Mixed.** 1/4 oz. 15c; oz. 40c .05
- 5203 **Single Giant-Flowered Mixed.** *Plants, each 15c; doz., \$1.50. 1/4 oz., 25c* .10

#### Double Varieties:

- 5204 **White.** 1/4 oz., 25 c. .05
- 5206 **Blood Red.** 1/4 oz., 35c. .05
- 5208 **Double Giant-Flowered Mixed.** 1/4 oz., 50c .10
- 5209  **Vaughan's Special Mixture.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this. *Plants, each 20c; doz., \$2.00. 1/8 oz., 35c* .15

### DICTAMNUS (Gas Plant).

- 5210 **Caucasicus.** 3 ft. Flowers pink, a strong growing variety. *Each 25c; doz., \$2.50* .10
- 5211 **Fraxinella.** 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. *Plants, each 15c; doz., \$1.50. 1/2 oz., 25c* .05
- 5212 **Albus.** 3 ft. Spikes of attractive pure white sweet scented flowers. *Plants, each 15c; doz., \$1.50. 1/2 oz., 25c* .05

**DIELYTRA Spectabilis (Bleeding Heart).** 2 ft. A graceful plant with green fine cut foliage, and pendulous sprays of pink heart shaped flowers, pink tipped white. *Plants, each 15c; doz., \$1.50; 100, \$12.00* ..

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet



DICTAMNUS FRAXINELLA (Gas Plant)

Per Pkt.



DIGITALIS (Foxglove)



DIELYTRA (Bleeding Heart)

**Perennial Flower Seeds and Plants****DIGITALIS (Foxglove).**

3 to 5 ft. Stately old garden favorites for garden and shrubbery borders, and naturalizing in suitable places.  
**Gloxiniaeflora.** Flowers shaped and spotted like a gloxinia. Per Pkt

5213 **White.** 5214 **Pink.** 5215 **Purple.** Each color,  $\frac{1}{4}$  oz., 25c..... 10  
*Plants, any of above, each 15c; doz., \$1.50*

5217 **Mixed Colors.** *Plants, each 15c; doz., \$1.50.*  $\frac{1}{4}$  oz. 15c..... 05

5218 **Grandiflora.** Bright yellow, distinct. *Plants, each 15c; doz., \$1.50.*  $\frac{1}{8}$  oz., 15c..... 05

5219 **Lanata.** 3 ft. Creamy white. *Plants, each 15c; doz., \$1.50*..... 05

5220 **Maculata Iveryana.** Splendid spotted strain, mixed colors.  $\frac{1}{4}$  oz., 20c..... 05

5221 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower..... 10

5222 **Purpurea Mixed.** Many colors.  $\frac{1}{4}$  oz., 15c..... 05

5222a **Vaughan's Special Mixture.** A grand mixture of the above, and many other colors, grown especially for this mixture only. *Plants, each 20c; doz., \$2.00.*  $\frac{1}{8}$  oz., 25c..... 15



5223 **DODECATHEON Meadia.** (American Cowslip Shooting Star.)  
 9 ins. Native hardy perennial, producing quantities of Cyclamen-like, rose colored flowers..... 15

**ECHINACEA (Coneflower.)** 4 ft.

5224 **Hybrida.** Flowers of various shapes, produced in a wide range of colors..... 15

5225 **Purpurea.** A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. (Synonymous with Rudbeckia Purpurea). *Plants, each 15c; doz., \$1.50.*  $\frac{1}{4}$  oz., 50c..... 10

**ECHINOPS (Globe Thistle.)**

Handsome strong-growing, plants with thistle like leaves and globe shaped bristley flowers.

5226 **Ritro.** 3 ft. Fine blue flower heads. *Per Pkt. Each 25c; doz., \$2.50.*  $\frac{1}{4}$  oz., 15c... 05

5227 **Sphaerocephalus.** 4 ft. Grayish  
*Plants, each 25c; doz., \$2.50.*  $\frac{1}{4}$  oz., 15c..... 05

white flowers on stout stems. *Plants, each 25c; doz., \$2.50.*  $\frac{1}{4}$  oz., 15c..... 05  
 5228 **EDELWEISS (Leontopodium Alpinum).** 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any soil with full exposure to sun.  $\frac{1}{8}$  oz., 40c... 10

5229 **EDELWEISS, Siberian.** New..... Per pkt., 20

**EREMURUS.**

May-June. A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to 10 ft. high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.

**Himalaicus.** 6 ft. Snow white flowers in dense spikes. } *Plants, each..... 75c*

**Robustus.** 8-10 ft. Tapering spikes of peach pink flowers. } 3 for \$2.15; doz.... \$7.50

**ERIANTHUS.—See Grasses.**

**ERIGERON.** Valuable summer flowering border plants with elegant aster-like flowers.

5230 **Aurantiacus (Orange Daisy).** 1 ft. Rich orange-red flowers..... 10

5231 **Grandiflorus Elatior.** 18 in. Bluish-lilac flowers, with bright yellow discs..... 10

**ERYNGIUM. (Sea Holly).** July-Sept. Handsome ornamental plants for flower and shrubbery borders.

5232 **Alpinum.** 3 ft. Shining bright green leaves, large light blue flowers.  $\frac{1}{4}$  oz., 50c 10

5233 **Amethystinum.** 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. *Plants, each 15c.*  $\frac{1}{4}$  oz., 75c... 10

**Oliverianum Superbum.** 3 ft. Intense rich amethyst blue. Exquisite form.

*Plants, each 25c; doz., \$2.50*.....

5234 **Plenum.** 3 ft. Small light blue globular flowers; graceful decorative plant.  
*Plants, each 15c; doz., \$1.50*..... 10

5235 **ERYSIMUM Pulchellum.** 6 ins. May-June. Forms large mats of bright green foliage, covered with bright yellow flowers; useful border plant..... 10

**EULALIA.—See Grasses.****EUPATORIUM (Thorough Wort)**

5236 **Ageratoides.** 2 ft. Pure white ageratum-like flowers. *Plants, each 15c; doz., \$1.50.*  $\frac{1}{8}$  oz., 20c..... 10

**Coelestinum (Mill Flower).** 2 ft. Sept. Heliotrope flowers, very useful for borders. *Plants, each 15c; doz., \$1.50*.....

5238 **Fraseri.** 18 in. Pure white. *Plants, each 15c; doz., \$1.50;  $\frac{1}{8}$  oz., 20c*..... 10

**FERNS.**

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage.

**Adiantum Pedatum (Maidenhair Fern).** 1 ft.

The best dwarf fern.

**Asplenium Angustifolium (Spleenwort).** 3 ft.

Handsome stately fern.

**Asplenium Felix-Foemina (Lady Fern).** 2-3 ft.

Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

**Aspidium Acrostichoides (Christmas Fern).** 1

ft. Deep green fronds.

**Aspidium Cristatum.** 2 ft. Grows well in

swampy situation.

**Aspidium Goldianum.** 4 ft. One of the finest

Aspidiums.

**Aspidium Marginale.** 2 ft. Very wide graceful

fronds.

**Aspidium Spinulosur (Wood Fern).**

1 $\frac{1}{2}$  ft. A very pretty evergreen species,

with finely bisected fronds.

**Aspidium Thelypteris.** 2 ft. Very vari-

able, fronds long and narrow.

**Onoclea Sensibilis (Sensitive Fern).**

1-2 ft. Wet places open or shade.

**Onoclea Struthiopteris (Ostrich Fern).**

3-4 ft. One of the most stately and best

for cultivation; handsome dark green

fronds.

**Osmunda Claytoniana.** 2 ft. A good

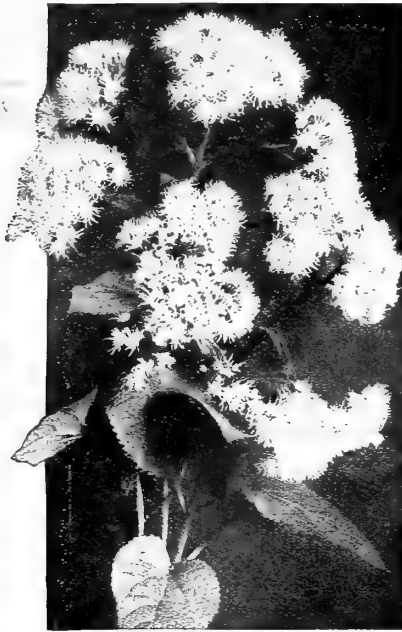
fern for the shady corner, 7 to 12 inches

wide, broader than long.

Plants, any of the above, each 20c; doz., \$2.00; 100, \$15.00. (Ready March 15)

5239 **Hardy Ferns Mixed**..... 10

Varieties with no marginal number are offered in plants only

**EUPATORIUM AGERATOIDES****EREMURUS** Per Pkt**HARDY FERNS**



**Perennial Flower Seeds and Plants****FORGET-ME-NOT.**—See *Myosotis*.**FUNKIA (Day Lily).**

These handsome hardy herbaceous plants develop their ornamental foliage early in spring, and in summer and autumn throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

**Fortunei.** 12 in. Aug. Glauous blue foliage, flowers pale mauve. *Plants, ea. 25c* ..**Lanceolata.** 12 in. Sept. Pale lilac flowers. *Plants, each 15c; doz., \$1.50*.... ..**Subcordata Grandiflora Alba (Corfu Lily).** 18 in. Large spikes of snow white fragrant flowers. *Plants, each 15c; doz., \$1.50*..... ..**Thomas Hogg.** 12 in. Large green foliage margined white. *Plants, each 25c*.... ..**Undulata Medio Variegata.** 12 in. Silvery white, lined green. A very ornamental foliage plant. *Plants, each 15c; doz., \$1.50*..... ..**GAILLARDIA (Blanket Flower).**

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

5240 **Grandiflora Mixed.** *Plants, each 15c; doz., \$1.50. ¼ oz., 30c*..... ..105241 **Copper Red.** Yellow, with large red center..... ..155242 **Semiplena.** Double row of petals, yellow with red center. ⅓ oz., 30c..... ..105243 **Compacta.** A compact variety bearing its varied colored flowers well above foliage. ¼ oz., 25c..... ..10**Friendship.** Flowers yellow with red central disc, long stems, fine for cutting. One of the finest of all Gaillardias. *Plants, each 25c; doz., \$2.50*..... ..**Lady Rolleston.** Beautiful pure yellow, large flower, a great favorite. *Plants, ea. 35c; doz., \$3.50* ..**Masterpiece.** Large crimson center, with yellow edge. *Plants, each 25c; doz., \$2.50*..... ..5245 **Maxima Kermesina Splendens.** Center crimson, with canary yellow border. ⅓ oz., 25c..... ..105246 **Sulphurea Oculata.** Pale yellow, maroon eye... ..105247 **New Hybrids.** Very large flowers, in a great variety of colors..... ..25

**GALEGA Hartlandi (Goat's Rue).** 4½ ft. June-Aug. Covered in summer with racemes of small, pea-shaped, sweet scented blossoms, greatly valued for cutting. This new form is far in advance of the old *officinalis* type. *Plants, each 25c; doz., \$2.50*..... ..

**GENTIANA.**

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants.

5248 **Acaulis.** 4 in. Large bell shaped, deep blue flowers; spring blooming.... ..105249 **Lutea (Yellow Gentian).** 4 ft. July. Whorls of giant yellow flowers .... ..10**GERANIUM (Crane's Bill).**

Good summer-flowering border plants and the dwarfier kinds make excellent pot plants. All are very hardy and thrive in any garden soil.

5250 **Sanguineum.** 9 in. Large deep crimson-purple flowers. *Each 15c; doz., \$1.50* ..10**Album.** 9 in. Flowers pure white. Fine for edging. *Each 15c; doz., \$1.50* ..5251 **GEUM Coccineum Plenum (Avens).** 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. ....105252 **Coccineum, Mrs. Bradshaw.** A splendid variety with very large double flowers of a striking fiery red color; free flowering. *Each 25c; doz., \$2.50*.... ..205253 **Heldreichi.** Beautiful orange flowers produced throughout summer..... ..10**GOLDEN ROD—See Solidago.****GRASSES (Ornamental).** For foliage only. Very decorative.

Ornamental Grasses can be used with telling effects in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.

Per Pkt.

5254 **Arundo Donax (Giant Reed).** 10-15 ft. Noble plant like a gigantic maize... ..105255 **Fol. Variegata.** A very beautiful silver-leaf variety..... ..105256 **Erianthus Ravennae (Pampas).** 10 ft. Grand plumes. *Plants, each 25c*.... ..10**Eulalia Gracillima Univittata.** 4-5 ft. Arching narrow green foliage. *Each 25c* ..5257 **Eulalia Japonica Zebrina (Zebra Grass).** 5 ft. Green foliage with distinct horizontal golden bands..... ..105258 **Variegata (Japan Rush).** 4 ft. The best of the variegated kinds..... ..105259 **Gynerium Argenteum (Pampas Grass).** 8 ft. free flowering with pure white plumes..... ..10**Phalaris Arundinacea Variegata (Gardener's Garters).** 2 ft. Variegated ribbon-grass, fine for cutting. *Plants, each 15c; doz., \$1.50*..... ..5260 **Stipa Pennata (Feather Grass).** 2 ft. Compact hair-like foliage, graceful feathery plumes..... ..10**GYPSOPHILA.**

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

5262 **Paniculata (Baby's Breath).** 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. *Plants, each 15c; doz., \$1.50. ¼ oz., 25c*..... ..05**When Ordering—If SEEDS use Numbers; if PLANTS give Names.**

Per Pkt



Per Pkt.

**GAILLARDIA**

Per Pkt

**FUNKIA (Day Lily)****GYPSOPHILA PANICULATA**

## Perennial Flower Seeds and Plants

### GYPSOPHILA—Continued

- 5263 **Paniculata Flore Pleno.** Minute double white flowers, new, and highly decorative. *Plants, each 25c; doz., \$2.50.* .25

### HELIENIUM (Sneezewort).

Delightful perennials allied to the *Helianthus* (Sunflower).

- 5264 **Autumnale Superbum.** 5 ft. Large clear light yellow flowers in Sept. *Plants, each 15c; doz., \$1.50. 1/8 oz. 40c.* .10  
**Superbum Rubrum.** 5 ft. The deepest red sort. *Plants, each 15c; doz., \$1.50.* ..  
 5265 **Riverton Beauty.** 4 ft. Lemon yellow with black disc. *Plants, each 25c; doz., \$2.50.* .10  
 5266 **Riverton Gem.** 4 ft. Rich crimson-brown and old gold. *Plants, each 25c; doz., \$2.50.* .10  
 5267 **Bigelowii.** 2 ft. Large rich yellow flowers. *1/8 oz. 50c.* .10  
 5268 **Hoopesii.** 2 ft. May-July. Rich orange yellow. *Plants, each 25c; doz., \$2.50. 1/8 oz., 15c.* .10

### HELIANTHUS (Hardy Sunflower).

Producing a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

- 5270 **Maximilianus.** 7 ft. Aug.-Oct. Golden yellow, small flowers. *1/8 oz., 20c.* .10  
**Multiflorus Plenus.** 6-8 ft. Double yellow flowers, useful for cutting. *Plants, each 15c; doz., \$1.50.* ..

### HIBISCUS—Mallow Marvel

**HELIANTHUS Rigidus, Miss Mellish.** 7 ft. Fine large single yellow flowers, valuable for cutting. *Plants, each 15c; doz., \$1.50; 100, \$10.00.* ..

- 5272 **Hardy Mixed Hybrids.** Great value for cutting .25  
 5273 **HELIOPSIS Gratissima (New).** 3 ft. Large orange flowers with several rows of florets. Invaluable for cutting. *Plants, each 25c; doz., \$2.50.* ..  
**Pitcherianus.** 5 ft. Aug.-Oct. Yellow semidouble flowers. *1/4-oz. 25c.* .10  
 5274 **Scabra Zinniaeflora.** 2 1/2 ft. Bright yellow Zinnia-like flowers. *Each 15c; doz., \$1.50.* .10

**HELLEBORUS Niger (Christmas Rose).** 8-12 in. Flowers white, faintly tinged rose. If grown in partial shade they will flower at Christmas, or earlier, flowers turning white. *Plants, each 35c; doz., \$3.50; 100, \$25.00.* ..

### HEMEROCALLIS (Yellow Day Lily).

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

- Aurantiaea.** Orange yellow. *Plants, each 25c; doz., \$2.50.* ..  
**Citrina.** Pale yellow flowers of immense size, in huge spikes. *Each 50c; doz., \$5.00.* ..  
**Dumortieri.** Rich orange inside, brownish on outside. *Plants, each, 15c; doz., \$1.50.* ..  
**Flava.** Pleasing pale yellow. *Plants, each 15c; doz., \$1.50.* ..  
**Florham.** Fine rich golden yellow. *Plants, each 25c; doz., \$2.50.* ..  
**Fulva.** Showy coppery red. *Plants, each 15c; doz., \$1.50.* ..

**Kwanso fl. pl.** Beautiful double orange flowers. *Plants, each 15c; doz., \$1.50.* ..

**Sovereign.** Clear yellow, outside shaded chocolate. *Plants, each 25c; doz., \$2.50.* ..

**Thunbergi.** 4 ft. Beautiful primrose flowers, on tall branched stems. *Each 15c; doz., \$1.50.* ..

**HESPERIS Matronalis (Sweet Rocket).** 2 ft.

Deliciously sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

- 5276 **Purpurea.** Purple. *1/2 oz. 20c; 1 oz. 35c; lb. \$3.50.* .05  
 5277 **Alba.** White. *1/2 oz. 20c; 1 oz. 35c; lb. \$3.50.* .05

**HEUCHERA (Alum Root).** 2 ft.

- 5278 **Brizoides Gracillima.** Graceful stems of rosy crimson flowers. *Plants, each 25c; doz., \$2.50.* .10  
**Nancy Perry.** Beautiful sprays of bright coral pink; very fine. *Each, 35c; doz., \$3.50.* ..  
**Pluie de Feu.** Brilliant fiery scarlet. *Plants, each 25c; doz., \$2.50.* ..  
 5279 **Sanguinea.** Long stems of large crimson-scarlet flowers. *Plants, each 15c; doz., \$1.50; 100, \$10.00; 1/8-oz. 40c.* .10  
 5280 **Splendens.** Vivid coral-scarlet, fine free flowering. Good cut flower. *1/8-oz. 60c.* .10

**HIBISCUS (Rose Mallows).** 3 to 5 ft. July to Sept.

Noble shrub-like plants, with handsome green foliage, and bearing throughout summer large bright flowers, varying from 3 to 5 inches in diameter. They are very hardy, and suitable for garden effect, and indoor use when cut.

- 5281 **Crimson Eye.** Creamy white flowers, large crimson center. *Each, 15c; doz., \$1.50; 1/4-oz. 25c.* .05  
 5282 **Golden Bowl.** Deep cream, with a velvety maroon center. *1/4-oz. 25c.* .10  
 5283 **Moscheutos (Rose Mallow).** Very showy pink flowers. *Each, 15c; doz., \$1.50; 1/4-oz. 25c.* .10  
 5284 **Mixed Mallow Marvels.** Grand Assortment. *Plants, each 25c; doz., \$2.50; 1/4 oz. 25c.* .10  
 5285 **Mallow Marvels.** New, hand fertilized seed, a splendid strain, offered in seed only .25

**HOLLYHOCKS—See Page 106.**

Annual Flower Seeds are Offered in Separate List, Pages 67 to 94.



DOUBLE HOLLYHOCKS



HEMEROCALLIS

Per Pkt.

# HARDY IRISES

## German Iris - Fleur de Lis

PRICES (Except where noted):	
Each	\$0.15
Dozen	1.50
100	8.00
1000	75.00

GERMAN Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

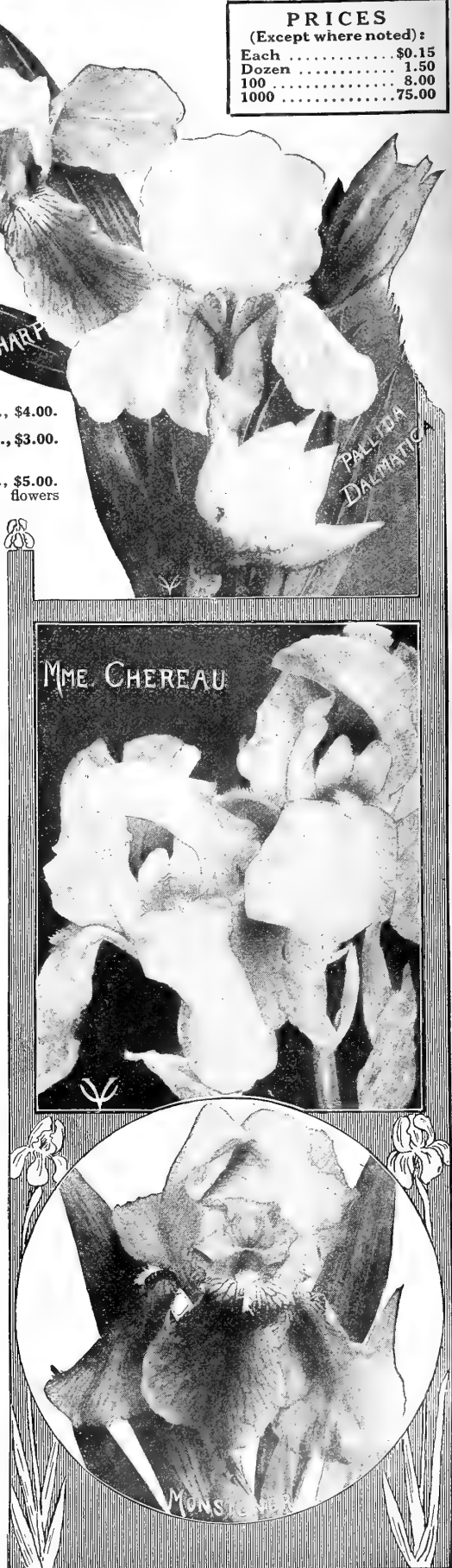
- Archeveque.** (Archbishop.) (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. Each, 35c; doz., \$3.50.
- Aurea.** "S" and "F" Deep yellow. Highly recommended where a good yellow is desired. Each, 15c; doz., \$1.50.
- Aureole.** "S" Deep orange; "F" Reddish brown with white netted base.
- Black Prince.** (Kochi Atropurpurea.) "S" Purple lilac; "F" velvety black. A very striking dark flower. Each, 25c; doz., \$2.50.
- Canary Bird.** "S" Light yellow; "F" deep yellow and orange. Each, 15c; doz., \$1.50.
- Candelabre.** (New.) "S" Mauve and purple; "F" Violet, with white and black veins. Ea., 40c; doz., \$4.00.
- Candicans.** Clear pale blue, free-flowering variety, prominent white veins. Ea., 20c; doz., \$2.00.
- Caprice.** (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. Ea., 30c; doz., \$3.00.
- Celeste.** Fine satiny blue. One of the most beautiful of German Irises. Each, 20c; doz., \$2.00.
- Charles Dickens.** "S" Blue; "F" Blue, suffused dark purple. Each, 15c; doz., \$1.50; 100, \$8.00.
- Cherubin.** "S" Pale lilac; "F" Pale lilac, veined purple. Large charming flower. Each, 50c; doz., \$5.00.
- Crepuscle.** "Standards" and "Falls" delicate violet purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. Each, 50c; doz., \$5.00.
- Darius.** "S" Primrose yellow; "F" Lilac and primrose. Each, 25c; doz., \$2.50.
- Dorothea.** (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. Each, 35c; doz., \$3.50.
- Dr. Bernice.** (New.) "S" Coppery bronze; "F" Velvety crimson. Very handsome. Ea., 25c; doz. \$2.50.
- Edith Cook.** "S" Lemon yellow; "F" Velvety chestnut brown, bronze markings.
- Eldorado.** (New.) "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. Each, 60c; doz., \$6.00.
- Fairy.** Beautiful white with blue border and veinings. Each, 25c; doz., \$2.50.
- Froin.** "Standards" and "Falls" pale canary yellow, merging to cream at base. Ea., 35c; doz., \$3.50.
- Gertrude.** Deep violet blue; very fragrant. Each, 20c; doz., \$2.00.
- Gracchus.** "F" Crimson, reticulated white, fine early.
- Hector.** "S" Soft clouded yellow; "F" Velvety crimson. Each, 15c; doz., \$1.50; 100, \$8.00.
- Heteranth.** "S" Bright blue; "F" Deeper blue. Early. Each, 15c; doz., \$1.50; 100, \$8.00.
- Honorabilis (Sans Souci).** A most effective combination. "Standards" golden; "Falls" rich mahogany. Each, 15c; doz., \$1.50; 100, \$8.00.
- Iso-line.** "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Each, \$1.00; doz., \$10.00.
- Jeanne d'Arc.** (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. Each, 50c; doz., \$5.00.
- Johan de Witt.** "S" Pale lilac; "F" Violet purple veined white. 2 ft.
- Kharput (Italia).** "S" Violet; "F" Violet purple, large handsome bloom. Each, 25c; doz., \$2.50.
- King of Iris.** (New.) "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. Each, 50c; doz., \$6.00.
- L'Avenir.** A beautiful shade of satin blue. Each, 30c; doz., \$3.00.
- Lohengrin.** Large handsome silvery-mauve flowers. Each, 50c; doz., \$5.00.
- Lord Salisbury.** "S" Amber white; "F" Dark violet purple.
- Lorely.** "S" Light Yellow; "F" Ultramarine blue, bordered cream. Each, 35c; doz., \$3.50.
- Loute.** "S" Light blue and heliotrope; "F" reddish purple and bronze. Each, \$1.00.
- Mme. Chereau.** One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Each, 15c; doz., \$1.50; 100, \$8.00.
- Mme. Paquette.** Bright rosy claret, early and beautiful. Each, 25c; doz., \$2.50.
- Maori King.** "S" Golden Yellow; "F" Velvety maroon margined gold. Each, 25c; doz., \$2.50.
- Mars.** "S" Light yellow; "F" Pale yellow with violet blotches. Ea., 15c; doz., \$1.50; 100, \$8.00.
- Minos.** "S" Coppery bronze; "F" Deep claret, veined white.
- Monsignor.** Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencillings at throat. A truly magnificent specimen. Each, 70c; doz., \$7.00.
- Mrs. H. Darwin.** "S" Clear waxy white; "F" White, violet veins. Ea., 15c; doz., \$1.50; 100, \$8.00.
- Mrs. Newbronner.** A beautiful deep self-yellow. Very fine. Each, 35c; doz., \$3.50.
- Nelly.** "S" Blue; "F" clear white with blue veinings and blotches.
- Nuec d'Orange (Stormcloud)** (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. Each, 70c; doz., \$7.00.
- Pallida Dalmatica.** One of the most beautiful of all the German Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Each, 20c; doz., \$2.00.
- Pallida Mandraliscae.** Rich lavender-purple, large and handsome. Each, 20c; doz., \$2.00.
- Peacock's Eye.** "S" Olive yellow; "F" Brownish, shading to a clear yellow. Ea., 40c; doz., \$4.50.
- Penelope.** "S" Pure white; "F" White, veined purple, crested yellow.
- Pharaon.** "S" Yellow; "F" Light mahogany brown.
- Plicata.** "S" Bright violet-purple; "F" Deep violet-purple, with lighter shadings.
- Princess Victoria Louise.** (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. Each, 50c; doz., \$5.00.
- Pres. Thiers.** "S" Lavender blue; "F" Deeper blue, white pencillings. Each, 35c; doz., \$3.50.
- Prosper Laugier.** Deep velvety crimson, with deeply veined throat. "Falls" very broad. Highly recommended. Each, 50c; doz., \$5.00.
- Queen of May.** "S" Lilac Pink; "F" Lilac, blended with white; distinct. Each, 15c; doz., \$1.50.
- Rhein Nixe.** (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Each, 75c.
- Stenophylla.** "S" Pale blue, indistinct stripes. "F" Darker. Tall. Ea., 15c; doz., \$1.50; 100, \$8.00.
- Tamerlane.** (New.) "S" Pale violet; "F" Deep purple. Magnificent, tall, bold. Ea., 60c; doz., \$6.00.
- Trautlieb.** "S" and "F" lovely uniform rose; very striking. Undoubtedly one of the best. Each, 40c; doz., \$4.00.
- Venus.** "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground. Each, 15c; doz., \$1.50; 100, \$8.00.
- GERMAN IRIS MIXED.** Each, 10c; doz., \$1.00 (postpaid); (by express) per 100, \$5.00; per 1000, \$45.00. (25 at 100 rate, 250 at 1000 rate.)
- SPECIAL OFFER GERMAN IRIS.** Mme. Chereau, Honorabilis, Chas. Dickens, Hector, Mrs. H. Darwin, Mars. One plant of each of the above, correctly named, postpaid for 75c.

### Iris Sibirica

- Orientalis.** (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. Each, 15c; doz., \$1.50.
- Sanguinea.** Brilliant blue. Each, 20c; doz., \$2.00.
- Snow Queen.** Snow-white flowers borne on strong erect stems. Each, 20c; doz., \$2.00.

### Iris Pumila Hybrida

**D**WARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. Each, 15c; doz., \$1.25; per 100, \$8.00.



Irises are one of our Specialties



**Perennial Flower Seeds and Plants****VARIOUS IRISES**

**INTERREGNA**, Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

**Halfdan**. Rich, creamy yellow, very fine keeper. *Plants, each 20c; doz., \$2.00.*

**Walhalla**. Petals rosy lavender above, delicate claret red below. *Each, 20c; doz., \$2.00.*

**LONGIPETELA Superba**. Flowers soft porcklain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. *Plants, each 15c; doz., \$1.50.*

**PUMILA Hybrida**. Dwarf variety of German Iris, growing about 8 inches high, very free blooming. These bloom about two weeks before the German Iris. *Each, 15c; doz., \$1.25; 100, \$8.00.*

**Cyanea**. Rich royal purple with black shading. **Florida**. Beautiful lemon yellow shaded darker. *Plants of either. Each, 15c; doz., \$1.25, 100, \$8.00.*

**JAPAN IRIS (Iris Kaempferi)**

A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, the various shades of color are exquisite.

5285a **Choice Mixed**. Including Rose, Deep Red, Blue, White, etc. **Single or Double**. Seed is of slow germination. Many kinds mixed. *Plants, each, 25c; doz., \$2.50. 1/4 oz., 25c; 1 oz., 75c* .10

**HOLLYHOCK**. 6-8 ft. Aug.-Sept.

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done towards preventing it and reducing the damage by spraying the plants with Bordeaux Mixture.

**IRIS SIBIRICA****Double Varieties—**

5286	White	5288	Rose	5290	Salmon	} Each Color, 1/4-oz. 40c; } 1/8-oz. 25c. ....	} .10
5287	Pink	5289	Black	5291	Yellow		
5292	Crimson	5293	Blood Red	5294	White		
5295	White, with purple base						
5296	Newport Pink						.10
	Double Red, Yellow, Maroon, Pink, or White.					<i>Plants, each 20c; doz., \$2.00</i>	
5297	Double Mixed Colors					<i>Plants, each 15c; doz., \$1.50; 1/4 oz. 25c</i>	.05
5298	Allegheny Mixed					<i>Semi-double and single. Each 15c; doz., \$1.50; 1/2 oz., 60c</i>	.10
5299	Vaughan's Prize Mixture					<i>Finest shades in perfect flowers. 1/2 oz., 50c</i>	.10

**Single Varieties—**

	5301 Red.	5301a Pink.	5301b Black.	5301c Flesh.	Each	.10
	5302 Rose.	5302a White.	5302b Yellow.		Each	.10
5303	Mixed.	1/4 oz. 20c.	<i>Plants, each 15c; doz., \$1.50; 100, \$10.00</i>			.05
5303a	Single and Double Mixed.	Oz., 60c				.10

5303b **HYACINTHUS Candicans**. White Yucca-like flowers. Very decorative. 1/2 oz., 15c. (See also "Bulbs," page 115) .05

**IBERIS (Perennial Candytuft)**. 6-10 in.

Dwarf evergreen plants covered with blooms in spring and early summer. Excellent for rockeries or borders.

5304	<b>Gibraltarica</b> . Pinkish white, bushy habit.	<i>Each 15c; doz., \$1.50. 1/8 oz., 40c</i>	.10
5305	<b>Sempervirens</b> . Flowers form a sheet of whiteness, dwarf and compact.	<i>Plants, each 15c; doz., \$1.50; 100, \$10.00; 1/8-oz. 50c</i>	.10

5306 **INCARVILLEA Delavayi (Hardy Gloxinia)**. 2 ft. June. New gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. *Each, 20c; doz., \$2.00; 1/8-oz., 60c* .10

5307 **Grandiflora**. 1 ft. Dwarf crimson flowers with white and yellow throat. *Plants, each 20c; doz., \$2.00; 1/8-oz., 65c* .10

5308 **INULA Glandulosa Grandiflora (Flea Bane)**. 18 in. June-July. Large, handsome, daisy-like golden yellow flowers. Fine for cutting. .10

5309 **Ensifolia**. 9 in. Neat, bearing large golden yellow flowers. 1/8 oz. 50c .10

**LATHYRUS Latifolius (Hardy Pea)**

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting.

5311	<b>Albus</b> . 6 ft. Pure white flowers.	<i>Plants, each 15c; doz., \$1.50. 1 oz., 80c</i>	.10
5312	<b>Pink Beauty</b> . Pale pink variety.	<i>Plants, each 15c; doz., \$1.50. 1 oz., 80c</i>	.10
5312a	<b>Rubra</b> . Bright rosy crimson.	<i>Plants, each 15c; doz., \$1.50. 1 oz., 80c</i>	.10
5313	<b>White Pearl</b> . Pure white. The best of this color		.20
5314	<b>Mixed</b> . The above colors.	<i>1 oz., 60c</i>	.10

**LAVENDULA Vera (True Lavender)** A much prized, highly perfumed border plant. *Plants, each 15c; doz., \$1.50; 100, \$10.00* .10

5315 **LEPACHYS Hybrida Pulcherrima**. Somewhat resembling Rudbeckia; flowers vary from yellow to brown. .10

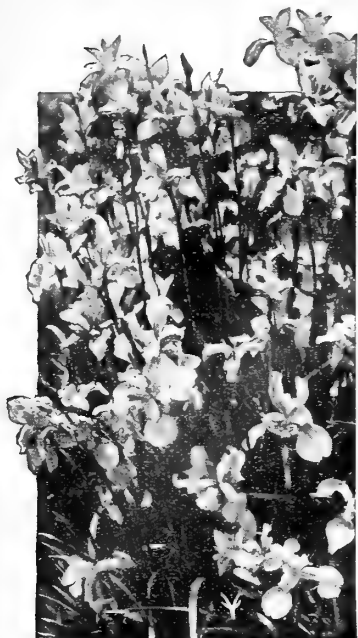
**LIATRIS Pycnostachya (Blazing Star)**. 3 ft. Handsome border plant with long rose colored, purple spikes. *Plants, each 15c; doz., \$1.50* .10

5316 **Elegans** .10

5317 **Spicata (Devil's Bit)** Dense spikes of rosy purple flowers. *Each, 15c; doz., \$1.50* .10

**LILY OF THE VALLEY**. Large clumps for spring planting. *Each, 30c; doz., \$3.00* . .

Prices for 3 plants of a kind are given on page 95. Use separate order sheet for plants.

**IRIS SIBIRICA****Double Varieties—**

5286	White	5288	Rose	5290	Salmon	} Each Color, 1/4-oz. 40c; } 1/8-oz. 25c. ....	} .10
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5292	Crimson	5293	Blood Red	5294	White		
5295	White, with purple base						
5296	Newport Pink						.10
	Double Red, Yellow, Maroon, Pink, or White.					<i>Plants, each 20c; doz., \$2.00</i>	
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**Single Varieties—**

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5303	Mixed.	1/4 oz. 20c.	<i>Plants, each 15c; doz., \$1.50; 100, \$10.00</i>			.05
5303a	Single and Double Mixed.	Oz., 60c				.10

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**IBERIS (Perennial Candytuft)**. 6-10 in.

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5305	<b>Sempervirens</b> . Flowers form a sheet of whiteness, dwarf and compact.	<i>Plants, each 15c; doz., \$1.50; 100, \$10.00; 1/8-oz. 50c</i>	.10

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5312	<b>Pink Beauty</b> . Pale pink variety.	<i>Plants, each 15c; doz., \$1.50. 1 oz., 80c</i>	.10
5312a	<b>Rubra</b> . Bright rosy crimson.	<i>Plants, each 15c; doz., \$1.50. 1 oz., 80c</i>	.10
5313	<b>White Pearl</b> . Pure white. The best of this color		.20
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**LIATRIS Pycnostachya (Blazing Star)**. 3 ft. Handsome border plant with long rose colored, purple spikes. *Plants, each 15c; doz., \$1.50* .10

5316 **Elegans** .10

5317 **Spicata (Devil's Bit)** Dense spikes of rosy purple flowers. *Each, 15c; doz., \$1.50* .10

**LILY OF THE VALLEY**. Large clumps for spring planting. *Each, 30c; doz., \$3.00* . .

**LILY OF THE VALLEY****LUPINUS POLYPHYLLUS**

## Perennial Flower Seeds and Plants

### LINARIA (Toad Flax).

Fine showy free flowering plants, of a creeping or trailing habit. Good for borders, window boxes, or rockeries.

- 5318 **Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange flowers through- Per Pkt.  
out summer; trailing habit.  $\frac{1}{8}$  oz., 30c..... .05
- 5319 **Alba.** 3 in. White with orange lip.  $\frac{1}{8}$  oz., 30c..... .05

### LINUM (Flax)

- 5320 **Flavum.** 1 ft. June-July. Bright yellow flowers..... .10
- 5321 **Narbonense.** 18 in. Sky-blue flowers on graceful slender stems..... .10
- 5322 **Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial. *Plants, each 15c;*  
*doz., \$1.50.*  $\frac{1}{4}$  oz., 15c..... .05
- 5322a **Mixed.**  $\frac{1}{4}$  oz., 15c..... .10
- 5323 **Album.** Milk white flowers, very decorative. *Plants, each 15c; doz., \$1.50.*..... .05
- 5324 **LOBELIA Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet  
flowers, prefers moist position. *Plants, each 15c; doz., \$1.50*..... .05
- 5325 **Syphilitica.** 2 ft. Dense spikes of tubular rich blue flowers..... .15
- 5326 **LUNARIA Biennis (Honesty or St. Peter's Penny.)** Flowers white, followed  
by silvery seed pods, prized for winter decoration. 1 oz. 40c..... .10
- 5327 **Alba** Pure white.  $\frac{1}{2}$ -oz. 25c..... .10

### LUPINUS (Lupin).

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

- 5328 **Polyphyllus (Old Fashioned Garden Lupin).** Blue. 3 ft. Stately spikes of  
blue flowers all summer. Per oz., 40c..... .05



MONARDA DIDYMA

- 5328a **Albus.** Large pure white spikes. *Plants, each 25c; doz., \$2.50.*  $\frac{1}{2}$ -oz. 25c.... .05
- 5329 **Roseus.** 4 ft. Light and dark rose flowers on long spikes. *Plants, each 25c;*  
*doz., \$2.50.*  $\frac{1}{4}$ -oz. 40c..... .10
- 5330 **Moerheimi.** Beautiful soft pink. *Plants, each 35c; doz., \$3.50.*  $\frac{1}{2}$  oz., 50c .10
- 5331 **Mixed.** Splendid value. 1-oz. 30c..... .05
- 5332 **Arboreus, Snow Queen.** 4 ft. The beautiful white **Tree Lupin**, forms a  
bush like a flowering shrub.  $\frac{1}{8}$ -oz. 25c..... .10
- 5333 **LYCHNIS Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Brilliant scarlet in  
dense flat heads. A grand border plant. *Plants, each 15c; doz., \$1.50.*  $\frac{1}{8}$  oz. 25c .05
- 5334 **Alba (White Champion).** Flowers white..... .10
- 5335 **Flos-Cuculi (Ragged Robin).** Very pretty rose-pink flowers..... .10
- 5336 **Haageana (Maltese Cross).** 9 in. Brilliant orange scarlet. *Plants, each 15c;*  
*doz., \$1.50.*  $\frac{1}{8}$ -oz. 40c..... .10
- 5337 **Hybrids.** Mixed colors ranging from nearly white to bright scarlet.  $\frac{1}{4}$ -oz. 50c. .05
- 5338 **Sieboldii.** 1 ft. Large flat pure white heads. *Plants, each 15c; doz., \$1.50*.... .10
- 5339 **Viscaria Splendens (Catch Fly).** 1 ft. Spikes of single rose flowers..... .10
- Splendens Plena (Double Catch Fly).** 18 in. Spikes of brilliant rosy  
crimson flowers, reminding one of double red stock. *Plants, each 15c; doz., \$1.50* ..
- 5340 **Alpina.** 4 in. Clusters of rose colored flowers, dwarf..... .20
- LYSIMACHIA Numullaria (Creeping Jenny).** A pretty trailing plant, with golden  
yellow flowers. Valuable for baskets and boxes. *Plants, each 15c; doz., \$1.50* ..
- 5341 **LYTHRUM Roseum Superbum.** 4 ft. Tall erect pink spikes.  $\frac{1}{2}$  oz., 25c..... .10
- Perry's Variety.** 3-4 ft. An improvement on the old "Loose Strife". Larger  
flowers and larger spikes of glistening Per Pkt  
cherry red. Thrives in moist places.  
*Plants, each 25c; doz., \$2.50*.....

- 5342 **MALVA Alcea.** 2 ft. A hardy showy border plant with bright rose flowers from  
June to October..... .10
- 5343 **Moschata (Musk Mallow).** 2 ft. Large pale pink flowers..... .10
- 5344 **Moschata Alba.** Fragrant snow white flowers..... .10

**MERTENSIA Virginica (Blue Bells, Virginian Cowslip).** 2 ft. Lovely droop-  
ing flower spikes of a rare pale blue color. *Plants, each 15c; doz., \$1.50.*.....

**MICHAELMAS DAISY.** See ASTER (Hardy).

**MINT.** Old fashioned hardy useful plant. *Plants, 4 in. pots, each 15c; doz., \$1.50;*  
100, \$8.00. Field roots, each., 10c; doz., \$1.00; 100, \$7.00.....

**MONARDA (Bergamot, Oswego Tea).** Flowers all summer.

- 5345 **Didyma.** 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant  
scent. *Plants, each 15c; doz., \$1.50.*..... 100 seeds .50
- 5346 **Hybrida.** Choice assortment in rose, scarlet and crimson shades. *Plants, each 15c;*  
*doz., \$1.50.*..... .10

**MYOSOTIS (Forget-Me-Not).** 4 to 9 in.

Well known pretty flowers for borders and beds, their various shades being very effective.

- 5347 **Alpestris Indigo Blue.** Lovely deep blue.  $\frac{1}{8}$  oz. 15c..... .05
- 5348 **Alba.** Pure white.  $\frac{1}{8}$  oz. 15c..... .05
- 5348a **Blue.**  $\frac{1}{8}$  oz., 15c..... .05
- 5349 **Rosea.** Pink.  $\frac{1}{8}$  oz. 15c..... .05
- 5350 **Eliza Fonrobert.** Sky blue, white eye.  $\frac{1}{8}$  oz. 20c..... .05
- 5351 **Victoria.** Large bright azureblue. *Plants, each doz., 15c; \$1.50.*  $\frac{1}{8}$  oz., 25c.... .10
- 5351a **Alpestris Mixed.**  $\frac{1}{8}$  oz., 15c..... .05

When ordering—If SEEDS use numbers; if PLANTS, give names



MERTENSIA VIRGINICA



MYOSOTIS—Ruth Fisher

# Vaughan's Hardy Phlox

## PHLOX DECUSSATA

**THIS** is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

- (1) Early  
(2) Mid-season  
(3) Late

- (D) Dwarf  
(M) Medium  
(T) Tall

Our prices are for one-year field-grown plants.

At \$1.50 per dozen, price per 100 is.....	\$10.00	} 25 of any variety supplied at these rates.
At \$2.00 per dozen, price per 100 is.....	\$14.00	
At \$2.50 per dozen, price per 100 is.....	\$18.00	

**Antonin Mercie.** (M 2.) A beautiful grayish lilac with white center. Ea., 15c; doz., \$1.50.

**Baron Von Dedem.** (T. 2.) Brilliant scarlet-orange with immense trusses and individual flowers. Each, 20c; dozen, \$2.00. Per 100, \$12.00.

**Bridesmaid.** (D. 2.) Pure white, large crimson-carmine eye. Each, 15c; dozen, \$1.50. Per 100, \$10.00.

**Crespuscule.** (M 2.) Large cherry red center, edged pale violet pink. Each, 20c; dozen, \$2.00.

**Elizabeth Campbell.** (D. 2.) New. Bright salmon pink, with lighter shadings and dark crimson eye. One of the best. Each, 25c; dozen, \$2.50.

**Europa.** (T 2.) White, distinct carmine eye, large flower. Very distinct; one of the best. Each, 25c; dozen, \$2.50.

**Flora Hornung.** (D 2.) Milk-white with carmine eye. Each, 20c; dozen, \$2.00.

**Fraulein Von Lassburg.** (T 2.) The purest snow-white in cultivation. Extra fine. Each, 20c; dozen, \$2.00.

**G. A. Strohlein.** (M 2.) Glowing orange scarlet with blood-red eye. Immense heads. Each, 20c; dozen, \$2.00.

**General Von Heutz.** (T 2.) Brilliant salmon red with white center. Very large heads. Each, 20c; dozen, \$2.00.

**Jeanne d'Arc.** (T 3.) One of the best late whites. Well formed full heads of large flowers. Each, 15c; dozen, \$1.50.

**Katinka Beeli.** (M 2.) Large trusses, coppery crimson with blood-red eye. Very distinct. Each 25c; dozen, \$2.50.

**Le Madhi.** A metallic bluish-violet color having fine large truss, a prolific bloomer. One of the very best of its color. Each, 20c; dozen, \$2.00.

**Maculata "Alpha."** This is a hybrid of Maculata and Decussata type. It is remarkable for its flowering qualities, commencing in mid-summer and continuing till late autumn. The color is pale pink. Very handsome for cutting. Each, 15c; dozen, \$1.50.

**Mme. Paul Dutrie.** (M 1.) Soft Cattleya-pink shading off to white in the center. One of the most desirable where a good pink is desired. Each, 15c; dozen, \$1.50. Per 100, \$10.00.



ELIZABETH CAMPBELL

**Miss Lingard.** (T 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. Very tall white spikes. One of the best. Each, 20c; dozen, \$2.00.

**Mrs. Jenkins.** (M 1.) A very free flowering early variety of medium height producing immense panicles of pure white flowers. Each, 15c; doz., \$1.50.

**R. P. Struthers.** (T 2.) Rosy carmine with claret eye. Each, 15c; dozen, \$1.50.

**Rhynstrom.** Beautiful rich salmon-rose, enormous flowers. A good strong grower and a very free-flowering variety. Each, 25c; dozen, \$2.50.

**Selma.** (T 2.) Large trusses of very large pink flowers with cherry-red eye; choice. Each, 20c; dozen, \$2.00.

**Sigrid Arnoldson.** (T 2.) Fiery carmine red with dark center; extra fine. Each, 20c; dozen, \$2.00.

**Tapis Blanc.** (D 1.) Pure white; immense heads. The best dwarf Phlox in cultivation. Each, 25c. dozen, \$2.50.

**Von Hochberg.** (M 3.) The ideal crimson. The richest of its color. Each, 20c; dozen, \$2.00.

**Widar.** (M 2.) A much admired violet-blue with white eye; a rich colored form of Antonin Mercie. Each, 25c; dozen, \$2.50.

**MIXED.**—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Each, 10c; dozen, \$1.00; per 100, \$6.00; by express only.

### SPECIAL COLLECTIONS

**SPECIAL OFFER No. 108A.**—One each of 10 varieties, our selection from above. All distinctly labeled for \$1.50 by express, not prepaid.

**SPECIAL OFFER No. 108B.**—One each of 6 varieties (six plants), our selection, distinctly labeled for 90c postpaid.

**SPECIAL OFFER No. 108C.**—Two plants each of 3 varieties (six plants), three distinct colors, our selection, for 85c postpaid.

### PHLOX ARENDSI

A new type of Phlox originated by a successful crossing of the early flowering Phlox Divaricata Canadensis with the showy herbaceous varieties of Phlox Decussata. The plants are of vigorous branching habit, growing according to the variety from 12 to 24 inches high. Coming into flower during the latter part of May they continue in good condition for nearly two months, producing a mass of flowers unknown in other types of Phlox.

**Amanda.** 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder.

**Grete.** 20 in. White. Spreading habit, bearing quantities of good sized flowers.

**Luise.** Height about 24 in. Color of flower pale lilac with carmine eye.

Price, any of above, each, 35c; doz., \$3.50.

### DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

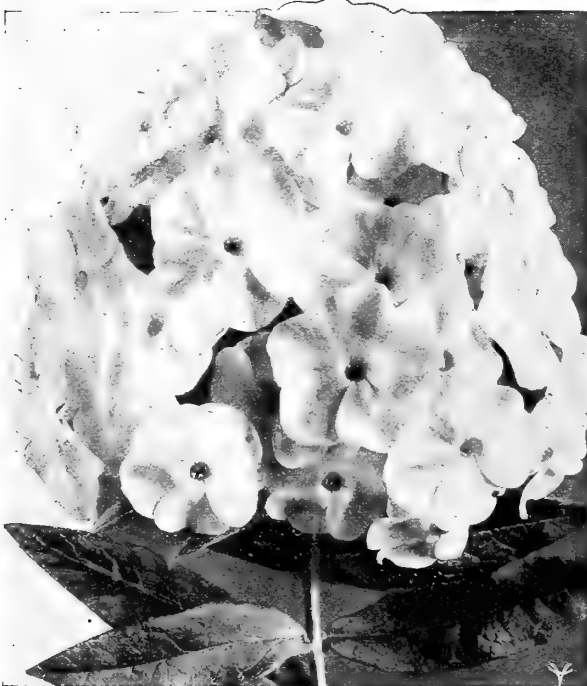
**Amoena Rosea.** Bright pink; May to June; height 6 in. Each, 15c; dozen \$1.50.

**Divaricata Laphami.** (New.) A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. Each 15c; dozen, \$1.50.

**Pilosa Splendens.** From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It blooms at the same time as Phlox Divaricata, making a splendid companion to it. A very effective sort. Each, 25c; dozen, \$2.50.

**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. Each, 15c; dozen, \$1.50.

**Subulata Rosea.** Same as above but with dainty rose pink flowers. This and Alba are fine for graves. Each, 15c; dozen, \$1.50.



FRAULEIN VON LASSBURG

6 plants of a kind supplied at dozen rate, 25 at 100 rate.



# Vaughan's Peonies

**PEONIES**, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months.

They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

**Planting.** Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. **Full cultural directions are sent with each order.**

We offer three sizes, viz:—**Divided roots**, 3 to 5 eyes. **Medium roots**, 5 eyes and up. **Large roots**, 4 to 5 year old clumps, 8 eyes and up.

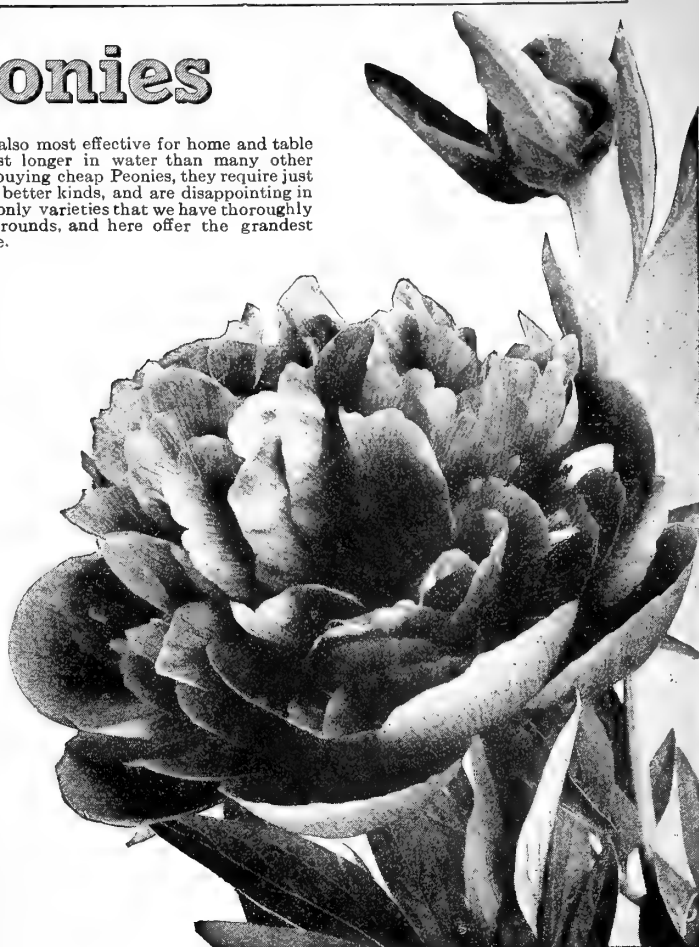
D—Divided. M—Medium. L—Large Roots.

## White and Light Varieties

- Albatre.** Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. D, 60c; M, \$1.00; L, \$1.50.
- Avalanche.** Large globe-shaped bloom similar to the preceding, but not as early. D, 75c; M, \$1.00.
- Carnea Triumphans.** Guards and crown pale pink, collar amber-white, fragrant. Midseason. D, 50c; M, 75c.
- Charlemagne.** Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. D, 50c; M, 75c.
- Couronne D'Or.** Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. D, 50c; M, 85c; L, \$1.25.
- Duchess de Nemours (Calot).** Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. D, 40c; M, 75c; L, \$1.25.
- Duc de Wellington.** Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. D, 50c; M, 75c; L, \$1.25.
- Festiva (Drop White).** True, large, full, double; creamy white with crimson spots in center. Dwarf. D, 50c; M, 75c.
- Festiva Maxima.** The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. D, 45c; M, 60c; L, \$1.25.
- Jeanne d'Arc.** Very similar to "Golden Harvest," but larger, and finer. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. D, 50c; M, 75c; L, \$1.25.
- La Rosiere.** Large, compact semi-double flower; with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. D, 60c; M, 85c; L, \$1.25.
- La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. D, 50c; M, 75c; L, \$1.25.
- Madame Breon.** Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. D, 50c; M, 85c.
- Madame Crousse.** Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together this is the best of all white Peonies. D, 60c; M, 85c; L, \$1.50.
- Madame de Vetry.** Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. D, 60c; M, 85c; L, \$1.25.
- Madame de Verneville.** Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable for all purposes. D, 60c; M, 85c; L, \$1.50.
- Marie Lemoine.** Delicate ivory white; solid massive blooms of extra size; very late. D, 50c; M, 75c; L, \$1.25.
- M. Dupont.** One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. D, 75c; M, \$1.00.
- Queen Victoria.** Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. D, 40c; M, 60c; L, \$1.00.

## Light and Dark Pink and Rose

- Alexander Dumas.** Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. D, 60c; M, 85c; L, \$1.25.
- Delicatissima.** Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. M, 60c; L, 85c.
- Duchess de Nemours (Guerin).** Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. D, 60c; M, 85c.
- Edulis Superba.** Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best pinks. D, 60c; M, 75c.
- Eugenie Verdier.** Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best Peonies in cultivation. D, 60c; M, 85c.
- Faust.** Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. D, 50c; M, 80c.
- Floral Treasure.** Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms. D, 60c; M, 85c; L, \$1.25.
- Jules Calot.** Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. D, 40c; M, 65c.
- Kohinoor.** Shell pink, very free, splendid cut flower. D, 40c; M, 65c.
- Lady Leonora Bramwell.** Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. D, 45c; M, 65c.



OFFICIALIS RUBRA PLENA

## Light and Dark Pink and Rose—Cont'd

- Livingstone.** Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. D, \$1.00; M, \$1.25.
- Madame de Galhau.** Large and full curved bloom with closely set petals. Soft glossy, flesh-pink, petals bordered silvery-pink. D, 40c; M, 65c.
- Madam Ducl.** Enormous, globular and compact bloom. Literally packed with petals, which are somewhat incurved like chrysanthemums. A brilliant shade of pink with silvery reflex. Holds its form and color to the end. Fragrant, early midseason bloomer. D, 75c.
- Madame Emile Galle.** Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. D, \$1.00.
- Madame Emile Lemoine.** Large globular, compact, semi-rose type. Milk-white. Medium height. D, \$1.25.
- Madame Forel.** Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. D, 75c; M, \$1.25.
- Madame Geissler.** One of the largest Peonies, very double globular. Imbricated, massive and imposing. Color, a glossy silvery rose, shading to Bengal rose at base of petals. Delicious fragrance. An abundant mid-summer bloomer. One of the best cut-flower sorts. D, 75c; M, \$1.00.
- Marguerite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white, central petals flecked dark carmine. A free bloomer. Late. Extra. D, \$1.00; M, \$1.50.
- Marie Stuart.** Medium size crown. Guards and crown pale pink, creamy, white collar. Fragrant. D, \$1.00.
- Modeste Guerin.** Very large bomb-shape, full and compact. Superb solferino red. Very free-flowering and fragrant. Exceptionally strong rigid stems. Midseason. An extra good variety. D, 50c; M, 75c; L, \$1.25.
- President Taft.** (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. D, \$1.25; M, \$2.00.
- Prolifera Tricolor.** Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. D, 50c; M, 75c.
- Pulcherrima.** Outside petals flesh, center pink. Very large and borne on long strong stems. D, 35c; M, 50c; L, \$1.25.
- Souvenir de C. Calot.** Very large bloom, satiny pink, shaded glossy soft lilac. D, 60c; M, 85c.
- Souvenir de l'Exposition Universelle.** Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. D, 60c; M, 85c.
- Thorbeckii.** Deep rose pink; of fine form; lighter in center. Medium dwarf habit. D, 35c.
- Triomphe de l'Exposition de Lille.** Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. D, 60c; M, 85c; L, \$1.25.

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance.  
Peonies should be in every garden.

# Peonies—Continued

## Red and Crimson Sorts

- Agida.** Bright red, semi double. Very fine free blooming late variety. D, 50c; M, 75c.
- Andre Lauries.** Large, very compact, globular rose type. Dark rose, with deeper center, and silvery reflex. Medium tall. D, 45c; M, 60c; L, \$1.25.
- Augustin D'Hour.** Large, bomb-shaped flower, dark brilliant solferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. D, 60c; M, 90c; L, \$1.50.
- Berlioz.** A charming flower, carmine rose, tipped silvery-white. Tall, free flowering. Late midseason. D, 45c.
- Delachei.** A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. D, 45c; M, 60c; L, \$1.25.
- Felix Crousse.** Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. D, 75c; M, \$1.00; L, \$1.50.
- General Davoust.** Large globular flowers; carmine shaded amaranth. D, \$1.00.
- Cloire de Douai.** Large flower of a glowing rich crimson. D, 60c; M, 85c.
- La Grange.** This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. D, 50c; M, 85c.
- L'Eclatante.** Very large, compact, bomb. Brilliant red (Tyrian-rose). Medium height; extra strong. Midseason. Very good. D, 45c.
- Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. D, 50c; M, 75c.
- Madame Le Bon.** Late; very large; color, brilliant cerise-red with silvery reflex. Extra. D, 50c; M, 75c.
- Marechal Vaillant. (Grandiflora Rubra.)** Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. D, 75c; M, \$1.00.
- Meissonier.** Broad outer petals, brilliant purple amaranth, inner petals crimson, free bloomer. D, 50c; M, 85c.
- M. Barral.** Fine pink; very large and double. Strong stem. Late. D, 75c; M, \$1.00.
- M. Krelage.** Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly-fragrant. Strong, upright, free bloomer. Late. Very desirable. D, 75c.
- M. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. D, \$5.00.
- Monsieur Paul Du Ribert.** Large, medium, loose, bomb type. Uniform deep carmine-rose. Fragrant. Medium height, free bloomer. Late. D, 60c; M, 85c.
- Officinalis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. D, 35c; M, 60c.
- President Roosevelt.** Fine full bloom, color very brilliant red. D, 50c; M, 80.
- Rubra Triumphans.** Large, loose, globular, semi-double flower. Deep crimson. Medium tall, strong grower, early. D, 50c; M, 85c.

## Unnamed Peonies

- Double Red.** D, 30c; M, 60c.  
**Double White and Pink.** D, 25c; M, 50c; L, \$1.00.

## Various Peonies

- Single Crimson,** divided roots, each 50c.  
**Single Pink,** divided roots, each 50c.  
**Single White,** divided roots, each 75c.  
**Japanese Tree,** 3 year old plants, 3 colors, each \$1.25.

## Discount Off List Prices on Peonies

- Orders amounting to \$5.60 will be \$5.00 cash.  
Orders amounting to \$11.50 will be \$10.00 cash.  
On orders amounting to \$15.00 and over we shall allow a straight cash discount of 15 per cent.

## Perennial Flower Seeds and Plants

(Continued from page 107)

### MYOSOTIS—Continued.

- |   | Pkt. |
|---|------|
| 5352 <b>Dissitiflora.</b> Rich blue, early and compact. One of the best. $\frac{1}{8}$ oz., 50c.  | 10   |
| 5353 <b>Nixenauge, Fairy Queen</b>  | 10   |
| 5354 <b>Palustris.</b> The true Swamp Forget-Me-Not. Plants, each 15c; doz., \$1.50.  | 10   |
| 5355 <b>Semperflorens.</b> Dwarf blue, in flower from early spring until autumn.  | 10   |
| 5356 <b>Ruth Fischer.</b> Rosettes of broad green foliage with large clear pale blue flowers. It is a gem among Forget-me-nots, and we unhesitatingly recommend its cultivation to the progressive private gardeners. | 25   |
| 5357 <b>Star of Love.</b> Dark green foliage with compact, large dark blue flowers.   | 25   |
| 5358 <b>Sylvatica.</b> Bright blue, spreading habit.  | 10   |

## Perennial Flower Seeds and Plants—Continued

- |  |    |
|--|----|
| 5359 <b>Vaughan's Early and Late Flowering Forget-me-not.</b> Exquisite sky blue flowers, on long stems. Blooms throughout the year. $\frac{1}{8}$ oz., 25c.   | 10 |
| <b>NEPETA Mussini.</b> An excellent plant for rock garden or border, covered with blue flowers from early Summer to Fall. Plants, each 15c; doz., \$1.50.  |    |
| <b>OENOTHERA (Evening Primrose).</b> 2 ft. Showy and beautiful plants for borders, beds, etc., flowering from June to October.   |    |
| 5360 <b>Eldorado.</b> Double golden yellow flowers.  | 10 |
| 5361 <b>Fruticosa Major.</b> $2\frac{1}{2}$ ft. Almost identical with Fraseri.   | 10 |
| 5363 <b>Fraseri.</b> Rich golden yellow flowers. $\frac{1}{8}$ oz., 40c.   | 10 |
| 5364 <b>Macrocarpa.</b> 1 ft. Long trailing stems with large yellow flowers.   | 10 |
| 5365 <b>Youngii.</b> Very showy with numerous sprays of deep yellow flowers. Each 15c; doz., \$1.50. $\frac{1}{8}$ oz., 30c.   | 15 |
| 5366 <b>OXALIS Tropaeoloides.</b> Suitable for rock work, rustic baskets, etc., largely used in parks. Flowers deep yellow, leaves brown. $\frac{1}{8}$ oz. 15c.   | 05 |
| <b>PACHYSANDRA Terminalis.</b> 4 in. Small whitish flowers in May, which are insignificant; deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. Each, 15c; doz., \$1.50; 100, \$10.00. |    |
| 5367 <b>PAPAVER Nudicaule (Iceland Poppy).</b> 15in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Plants, each 15c; doz., \$1.50; $\frac{1}{8}$ oz., 20c.   | 10 |
| 5367a <b>Nudicaule Yellow.</b> 5367b <b>Orange.</b> 5367c <b>White.</b> $\frac{1}{8}$ oz., 20c.  | 10 |
| 5368 <b>New Hybrids.</b> Containing all the charming new colors, which are far in advance of the ordinary Nudicaule  | 15 |
| 5368a <b>Double Mixed.</b> Very fine. $\frac{1}{8}$ oz., 25c.  | 15 |
| 5369 <b>Alpinum Laciniatum (Alpine Poppy).</b> 6 in. A pretty dwarf poppy of various shades of color.  | 15 |
| 5371 <b>Bracteatum.</b> 3 ft. Scarlet. $\frac{1}{4}$ oz. 15c.  | 05 |
| <b>Oriental (Oriental Poppy).</b> 3 ft. For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. Their brilliant flowers produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.   |    |
| 5372 <b>Excelsior.</b> A wonderful new mixture containing the newer shades introduced recently by hybridizers.   | 15 |
| <b>Goliath.</b> Vermilion scarlet, immense flowers. Plants, each 25c; doz., \$2.50.  |    |
| <b>Mahony.</b> Deep maroon. Plants, each 25c.  |    |
| <b>Marie Studholme.</b> Salmon pink. Per dozen, \$2.50.  |    |
| <b>Mrs. Perry (New).</b> Orange salmon. Per 100, \$20.00.  |    |
| <b>Princess Ena.</b> Orange pink.  |    |
| 5373 <b>Princess Victoria Louise.</b> Soft lilac rose.   | 15 |
| <b>Rembrandt.</b> Distinct orange red. Each 25c; doz., \$2.50.   | .. |
| <b>Silver Queen.</b> Silverywhite. Each 25c; doz., \$2.50.   | .. |
| 5373a <b>Oriental Hybrids, mixed.</b> $\frac{1}{4}$ oz. 30c.   | 10 |
| 5373b <b>Oriental Red.</b> Very striking color. $\frac{1}{4}$ oz., 30c.  | 10 |
| <b>PENTSTEMON (Beard Tongue)</b>   |    |
| 5376 <b>Hartwegi Albus (White "Newbury Gem").</b> Pure white.  | 25 |
| 5377 <b>Pubescens.</b> Rosy purple.  | 05 |
| 5377a <b>Mixed, all colors.</b> A choice assortment.   | 05 |
| <b>PHALARIS.</b> See Grasses.  |    |
| 5377b <b>PHLOX Decussata (Hardy Phlox).</b> Finest mixed. Plants, see page 100. $\frac{1}{4}$ oz. 45c.   | 10 |
| 5378 <b>PHYSALIS Franchetti. (Chinese Lantern Plant.)</b> $1\frac{1}{2}$ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Each 15c; doz. \$1.50.   | 10 |
| <b>PHYSOSTEGIA (False Dragon Head).</b> 3 ft. June to Sept.  |    |
| 5379 <b>Virginica.</b> Dense bushes with spikes of delicate pink tubular flowers. Plants, each 15c; doz., \$1.50; per 100, \$10.00. $\frac{1}{4}$ oz. 25c.   | 05 |
| 5380 <b>Alba.</b> White. Plants, each 15c; doz., \$1.50; per 100, \$10.00. $\frac{1}{4}$ oz. 35c.  | 10 |
| <b>Speciosa.</b> Beautiful pink flowers. Plants, each 15c; doz., \$1.50; per 100, \$10.00.   | .. |

## Perennial Flower Seeds and Plants

### PLATYCODON (Chinese Balloon Flower). 2 ft.

Very handsome border plants of the *Campanula* family, the flowers in bud having the appearance of inflated balloons, they flower from June to Sept.

5381	<b>Album Plenum.</b> Double white.....	Per Pkt. .10
5382	<b>Coeruleum Plenum.</b> Double blue.....	.10
5383	<b>Grandiflorum.</b> Large handsome deep blue flowers. Plants, each 15c; doz., \$1.50.....	.05
5384	<b>Album.</b> Pure white. Plants, each 15c; doz., \$1.50.....	.05
5385	<b>Mariesii.</b> 1 ft. Deep blue flowers, dwarf. 1/8 oz. 30c.....	.10
5386	<b>Album.</b> Large white flowers on rigid stems. 1/8 oz. 20c.....	.10

**PLUMBAGO Larpentae (Leadwort).** 8 in. A pretty Autumn-flowering plant, with clusters of cobalt-blue flowers. Plants, each 15c; doz., \$1.50.....

**POLYGONATUM Giganteum (Solomon's Seal).** 3 ft. A very desirable plant for shade and woodland, or bordering shrubs. The flowers are white, faintly shaded green, and hang in twos and threes from the underside of the foliage, which grows about 2-3 feet high after the manner of a fern frond. A very graceful plant and cut flower. Plants, each 15c; doz., \$1.50.....

### POLYGONUM (Knot Grass.)

**Compactum,** 2 ft. Masses of white spikes tinged rose. Each, 15c; doz., \$1.50..

**Cuspidatum (Japanese Knot Weed)** Vigorous trailing plant, climbing 7 or 8 ft. high. Flowers white. Plants, each 15c; doz., \$1.50; per 100, \$10.00.....

### POLEMONIUM (Jacob's Ladder).

5388	<b>Coeruleum (Greek Valerian).</b> 2 ft. Beautiful sky-blue spikes. 1/4 oz. 25c...	.10
5389	<b>Grandiflorum Album</b> Pure white.....	.10

### POTENTILLA (Cinquefoil). 1 ft.

5390	<b>Formosa.</b> Strawberry-like foliage, with cherry rose colored flowers in summer	.10
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5391	<b>Miss Willmott (New)</b> 1 ft. Single rose pink flowers, blooming all summer....	.15
5393	<b>Single mixed,</b> all colors. 1/4 oz. 30c.....	.05
5394	<b>Double mixed,</b> all colors. 1/8 oz. 40c.....	.10

POPPY—See Papaver.

### PRIMULA (Primrose)

5403	<b>Auricula.</b> 6 in. flowers in early spring in colors of yellow, brown and red	.10
5404	<b>Japonica, Mixed.</b> .....	.10
5405	<b>Lutea Gigantea.</b> Fine yellow.....	.25
5406	<b>Sieboldii.</b> A charming primrose, in many shades of color.....	.25
5407	<b>Veris (Elatior).</b> The pale yellow Oxlip, bearing flowers in umbels.....	.10
5408	<b>Grandiflora.</b> An extra choice large-flowered mixed strain. Each, 15c; doz., \$1.50	.15
5409	<b>Vulgaris (Common Primrose).</b> Flowers pale yellow.....	.10

**PULMONARIA Angustifolia Azurea (Blue Cowslip).** 6 in. April. A useful little border or rock plant with dainty gentian-blue flowers. Each 20c; doz., \$2.00 ..

5410	<b>PUERARIA Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).</b> 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful, strong growth. Plants, each 25c. 1/4 oz. 30c.....	.05
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### PYRETHRUM.

One of the most valuable of our early summer flowers. Charming shades of color, and wonderful lasting properties as a cut flower. They flower in May and June, and frequently in August and September the second time; the colors run into almost every shade, which make them foremost of plants in this particular season.

5411	<b>Roseum, Double Mixed.</b> Extra choice, selected seed.....	Per Pkt. .25
5412	<b>Roseum, Single Mixed.</b> Plants, each 15c; doz., \$1.50. 1/8 oz. 30c.....	.10
5413	<b>Roseum. Hybridum Grandiflorum. Single Mixed.</b> Each 15c; doz., \$1.50	.15
5414	<b>Roseum. New Hybrids.</b> A choice strain of seed from the originator.....	.25
5415	<b>Uliginosum.</b> 4. ft. Large giant daisy-like flowers, in great profusion. Plants, each 15c; doz., \$1.50. 1/8-oz., 30c.....	.10

**Stellatum.** Larger and better than the preceding. Plants, each 25c; doz., \$2.50 ..

**RANUNCULUS Repens, Fl. Pl.** A showy plant bearing rosettes of double yellow flowers during May and June. Plants, each 15c; doz., \$1.50.....

5416	<b>REHMANNIA Angulata.</b> 6 in. Flowers like "Incarvillea," in rose and red shades	.25
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5418	<b>RHEUM Palmatum Tanghuticum.</b> 7 ft. Extremely ornamental foliage plant with enormous dark bronzy leaves, and tall white flower spikes, followed by scarlet seed pods. 1/2 oz. 25c.....	.05
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5419	<b>ROMNEYA Coulteri (California Tree Poppy).</b> 5 ft. Flowers all summer. Beautiful snowy white flowers 4-5 in. in diameter and very fragrant; likes a light, loamy soil and warm aspect. 1/4 oz. 40c.....	.10
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5420	<b>ROSMARINUS Officinalis (Rosemary).</b> An old garden favorite; fine as single specimens, makes a nice fragrant hedge. Plants, each 15c; doz., \$1.50.....	.10
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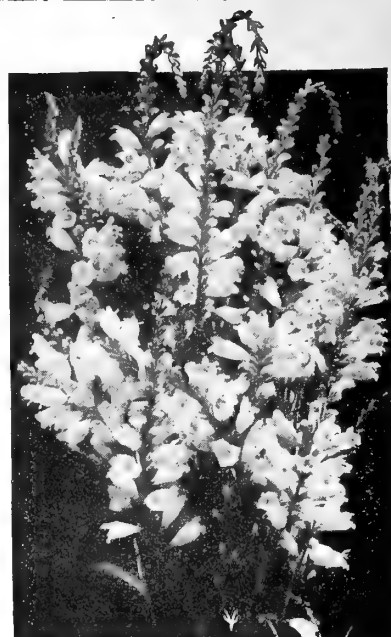
### RUDBECKIA (Cone Flower).

Somewhat resembling the *Sunflower*, but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, and much valued for cutting.

5421	<b>Laciniata.</b> Large single yellow flowers. 1/4-oz. 15c.....	.05
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**Laciniata fl. pl., Golden Glow.** 6 ft. July-Sept. Rich, yellow double flowers, much prized for cutting. Plants, each 15c; doz., \$1.50 .....

**Order SEEDS by Numbers; use separate Order Sheet for PLANTS, giving names**



**PHYSOSTEGIA VIRGINICA**

Per Pkt.



**PLATYCODON**



**PYRETHRUM—Double Mixed**



**Perennial Flower Seeds and Plants****RUDBECKIA (Cone Flower)—Continued.**

- 5421a *Fulgida*, yellow..... .10  
 5421b *Large Flowered Yellow*..... .10  
 5422 *Newmanii*. 3 ft. Rich golden yellow with central black disc. *Plants, each*  
*15c; doz., \$150*..... .10  
 5423 *Purpurea Grandiflora*, Syn., *Echinacea Purpurea* (Purple Cone Flower).  
 3 ft. September; large handsome crimson-purple flowers with dark central  
 disc. *Plants, each 15c; doz., \$1.50; 100, \$10.00*..... .10  
 5424 *SALVIA ARGENTEA*. 3 ft. Bold silvery-white foliage, with pyramids of  
 white flowers.  $\frac{1}{4}$ -oz. 20c..... .05  
 5425 *Azurea Grandiflora*. 4 ft. Sept-Oct. Stately willow-like growth, spikes of pale  
 blue flowers. *Plants, each 25c; doz., \$2.50*..... .10  
 5426 *SALVIA Patens*. 2 ft. Large rich pure blue flowers..... .25  
*Pitcheri* (Meadow Sage). 3 ft. August to October. One of the finest blue  
 garden plants for brilliancy, far in advance of *Anchusa Italica*. It flowers in  
 the fall right up to the first frost, the flowers coming in regular sheaves of  
 cornflower blue. *Plants, each 25c; doz., \$2.50*.....  
 5427 *Officinalis* (Common Sage). Used for culinary purposes. *Plants, each*  
*15c; doz., \$1.50; 100, \$8.00*..... .05  
*Uliginosa*. 4 ft. In general habit similar to *Salvia Azurea* and *Pitcheri*, but of  
 stronger growth, each plant forming a bushy specimen from 5 to 6 feet high,  
 and of wonderful, free-flowering habit, flowering continuously from June until

Per Pkt

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**SCABIOSA CAUCASICA**

stopped by severe frost in October. The flowers are of a pretty cornflower blue color with a white throat and are produced in branched spikes frequently six inches long. One of the most desirable introductions of the past season. *Per Pkt.*  
*Plants, each 35c; 3 for \$1.00; doz., \$3.50*.....

- 5428 *SANTOLINA Maritima* (Incana). 1 ft. Silvery white fragrant foliage..... .10  
 5429 *SAPONARIA Caucasica fl. pl.* (Bouncing Bet). 1 ft. Bluish white flowers. .10  
 5430 *Ocymoides Splendens*. 6 in. A showy dwarf trailing plant, producing a  
 sheet of vivid crimson flowers. *Plants, each 15c; doz., \$1.50; 1/4-oz. 20c*..... .05  
 5431 *SCABIOSA Caucasica* (Pincushion Flower). 3 ft. Large pale mauve flowers  
 on long stems; fine for cutting..... *Plants, each 15c* }  $\frac{1}{8}$ -oz. 40c..... .10  
 5432 *Alba*. Flowers white, very beautiful } *doz., \$1.50* }  $\frac{1}{8}$ -oz. 50c..... .15  
 5433 *Japonica*. 2 ft. Lavender blue flowers. *Each 15c; doz., \$1.50; 100, \$10.00; 1/8-oz. 40c* .10

**SEDUM (Stonecrop).**

Charming plants, great diversity of character, much used for edgings, carpet bedding and on rockeries.

*Acre*. 3 in. May-June. Common yellow stonecrop. *Plants, each 15c; doz., \$1.50*.....

*Brilliant*. 6 in. Bright scarlet. *Plants, each 25c; doz., \$2.50*.....

*Spectabile*. 15 in. Aug.-Sept. Robust fleshy-gray foliage with dense flat  
 heads of rosy pink flowers. *Plants, each 15c; doz., \$1.50*.....

*Atropurpureum*. (New) Deep rosy crimson shade. *Plants, each 25c; doz., \$2.50*.....

*Rubrum*. 15 in. Dark carmine rose flowers. *Each 25c; doz., \$2.50*.....

*Variegatum*. Pale flowers, leaves bordered with gold margin. *Plants, each*  
*25c; doz., \$2.50*.....

- 5434 *SENECIO Clivorum*. 4 ft. July-Oct. Large orange yellow flowers with large  
 shining green leaves. Fine for borders, waterside or under trees..... .10

**SILENE (Catchfly). July-Oct.**

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

- 5436 *Orientalis*. 8 in. Handsome rosy pink flowers. *Plants, each 15c; doz., \$1.50*..... .05  
 5438 *Schafta*. 4 in. July-Oct. Bright rose flowers, one of the best Autumn border plants .15

**SOLIDAGO (Golden Rod) American National Flower.**

- 5440 *Canadensis*. 3 ft. Gracefully arched sprays of golden. yellow flowers.  
*Plants, each 15c; doz., \$1.50; 100, \$10.00; 1/4-oz. 25c*..... .05

**SPIRAEA (Goat's Beard or Meadow Sweet). June-July.**

*Filipendula fl. pl.* (Double Dropwort). 2 ft. Dwarf cushions of fern-  
 like foliage, with corymbs of double white flowers, useful for cutting. *Plants,*  
*each 25c; doz., \$2.50*.....

*Lobata Venusta*. 4 ft. Rich deep pink flowers, standing well over the foliage.  
*Plants, each 25c; doz., \$2.50*.....

- 5441 *STACHYS Lanata*. Grown for the effect of its dwarf white woolly foliage;  
 the flower spikes should be removed.  $\frac{1}{2}$ -oz. 25c..... .05

**STATICE (Sea Lavender).**

Large spreading panicles of light, graceful flowers, of the "everlasting" nature, much prized  
 for winter decoration. Cut in the fall.

- 5442 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. *Plants, each*  
*15c; doz., \$1.50; 1/4-oz. 35c*..... .10  
 5443 *STOKESIA Cyanea* (Stokes' Aster). 18 in. July-Oct. Flowers rich blue, like  
 a giant cornflower, very distinct. *Plants, each 15c; doz., \$1.50; 1/8-oz. 25c*..... .10  
 5444 *Alba*. The white companion of the preceding. *Plants, each 15c; doz., \$1.50*..... .10  
 5445 *Mixed*..... .10

**TARRAGON, True German.** Used for cooking purposes. Large clumps. *Each*  
*25c; doz., \$2.50.* (This variety does not produce seed).....

Order SEEDS by numbers; use separate order sheet for PLANTS.

**SEDUM SPECTABILE**

Per Pkt

.05

.15

**STATICE LATIFOLIA**

## Perennial Flower Seeds and Plants

### THALICTRUM (Meadow Rue.)

- 5447 **Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. *Plants, each, 15c; doz., \$1.50. 1/8 oz., 30c.* Per Pkt. 10
- Aquilegifolium.** Showy feathery plumes of white flowers, graceful fern-like foliage. *Plants each, 25c; doz., \$2.50* ..
- 5448 **Dipterocarpum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. A light decorative cut-flower. *Plants, each, 35c; doz., \$3.50* .. 15
- 5449 **THERMOPSIS Caroliniana.** 3 ft. June. Clover-like foliage with spikes of pea-shaped yellow flowers. *1/4 oz., 40c* .. 10
- 5450 **THYMUS Vulgaris. (Common Thyme).** For seasoning. *Plants, each 15c; doz., \$1.50* .. 05
- TRILLIUM Grandiflorum (Wake Robin).** 12 in. May-June. Large snowy-white flowers; one of the best of our native plants. *Plants, each 10c; doz., \$1.00; 100, \$6.00* ..

### TRITOMA (Torch Lily, Flame Flower, Red Hot Poker).

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

- Express.** Rich orange-scarlet. *Plants, each 15c; doz., \$1.50* ..
- Pfitzeri (Everblooming Flame Flower).** 3 ft. Aug.-Nov. Bright orange scarlet. *Plants, each 15c; doz., \$1.50; 100, \$10.00.* ..

- 5451 **Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red-flowered Tritoma. Very ornamental. *Plants, each 15c; doz., \$1.50* 10

### TROLLIUS (Globe Flower).

- Asiaticus fl. pl. Croceo.** 18 in. May-June. Beautiful dark orange flowers. Very desirable for semi-shade. *Plants, each 25c; doz., \$2.50* ..

- Caucasicus "Orange Globe."** 3 ft. May-June. Large globular flowers of a rich deep orange yellow. *Plants, each 25c; doz., \$2.50* ..

- 5452 **Europaeus Grandiflora.** 2 1/2 ft. May-June. Soft yellow flowers .. 10
- Japonicus "Excelsior."** 2 1/2 ft. May-June. Fine rich orange flowers. *Plants, each 25c; doz., \$2.50* ..

### VALERIANA (Garden Heliotrope).

- 5453 **Officinalis.** 3 ft. June-July. Large trusses of pale pink flowers. *Each 15c; doz., \$1.50* 15
- 5454 **Rubra.** 2 ft. Sweet scented red flowers. *Plants, each 15c; doz., \$1.50; 1/4 oz., 25c* .. 10
- 5455 **Alba.** Pure white flowers. *1/4 oz., 25c* .. 10
- 5456 **VERBASCUM Olympicum.** 2 ft. June to Sept. Pyramidal spikes of small golden yellow flowers, with large silvery gray foliage. .. 10

### VERONICA (Speedwell).

- Amethystina.** 2 ft. June-July. Sky blue flowers in dense spreading heads. Makes a very pretty border. *Plants, each 25c; doz., \$2.50* ..

- Longifolia Subsessilis.** 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue. *Plants, each 15c; doz., \$1.50* ..

- 5458 **Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. *Each 15c; doz., \$1.50* 10
- 5459 **Rosea.** 2 ft. Grand rosy pink flowers; the best of the Spicata type. .. 10
- 5460 **Perennial Varieties Mixed** .. 10

### VINCA (Periwinkle, Green Myrtle). 4 in. June.

Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

- Minor.** Green foliage, large blue flowers. *Plants, each 15c; doz., \$1.50* ..
- Argentea Variegata.** Silver variegated foliage and blue flowers, much used for baskets and pots. *Plants, each 20c; doz., \$2.00* ..

### VIOLA Cornuta (Toothed Pansies). 3-6 in.

Flower all summer, from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.

- 5461 **Alba.** Large white flowers. *1/8 oz., 25c* .. 10
- 5464 **Admiration.** Rich violet blue flowers. *1/8 oz. 25c* .. 10
- 5465 **Blue Perfection.** Charming shade of pale blue flowers. *1/8 oz. 25c* .. 10
- 5466 **Lutea Splendens.** Bright yellow, makes an effective border. *1/8 oz. 25c* .. 10
- 5467 **Mrs. G. Wermig.** Large rich violet-blue flowers; very fine .. 20
- 5468 **Thuringia.** Dark blue flowers with white eye .. 15
- 5469 **Vaughan's Improved Scotch Pansies.** This new strain produces flowers with faces, the colors range from pale lavender to deep rich purple, many charming intermediate shades. .. 25
- 5470 **Cornuta Mixed.** *1/4 oz., 30c* .. 05
- VIOLET (Viola Odorata).** 6 in. May-June. The true, hardy, double deep purple English Violet. *Plants, each 20c; doz., \$2.00* ..

- 5471 **Single Violet.** Deep blue. .. 10

- 5472 **YUCCA Filamentosa (Adam's Needle).** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage is very ornamental; makes a handsome lawn specimen. *Plants, 2 yr., each 20c; doz., \$2.00; 3 yr., each, 30c; doz., \$3.00. Per 100, 2 yr., \$10.00; 3 yr., \$15.00.* 10



VERONICA SUBSESSILIS

Per Pkt.



THALICTRUM DIPTEROCARPUM



YUCCA FILAMENTOSA



SINGLE BEGONIAS

**AMARYLLIS**

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow, withhold water and put away from light. Do not start growth again until bulb shows signs of life itself (even when soil is perfectly dry) by pushing out new leaves.

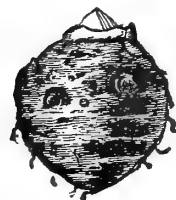
(Exp.)—Express at buyer's expense. Price, each, includes postage. Mailing weight, per doz. 5 lbs. Add postage at zone rates.

**Belladonna Major.** Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. Price, each, 25c; per dozen, \$2.60; per 100, \$18.00.

**Kerr's Hybrids.** This is a magnificent new English strain far in away ahead of anything previously offered. The stems are usually from 2 to 3 ft. high, often carrying 3 immense blooms, the colors of which are amazing. There are whites, white striped pink and crimson, brilliant scarlet, crimson, beautiful pinks and other delicate shades that language fails us in describing. A quantity of these was grown at our greenhouses the past year, and blooms exhibited at our store from time to time attracted much attention and called forth praiseworthy comments. Price, each, 75c; doz., \$7.50.

**Johnsoni.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches, across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Large Bulbs, price, each, 25c; 3 for 70c; doz. \$2.60; per 100, \$20.00. Mammoth Bulbs, each, 40c; 3 for \$1.15; doz. \$4.50; per 100, \$30.00; (exp.)

**Vittata Hybrids.** These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers are exceedingly rich in color and markings, spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet-shaped flowers. Price, each, 50c; doz. \$5.50; per 100, \$40.00, (Exp.)

**CALADIUM ESCULENTUM****(ELEPHANT'S EAR)**

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

**FIRST SIZE BULBS.** 5 to 7 in. circumference. Each, 5c; doz. 50c; per 100, \$4.00; per 1000, \$35.00; postage 3c each.

**SELECT SIZE BULBS.** 7 to 9 in. circumference. Price, each, 10c; doz., \$1.00; per 100, \$5.00; per 1000, \$45.00; postage 5c each.

**EXTRA LARGE BULBS.** 9 to 11 in. circumference. Price, each, 15c; doz. \$1.50; per 100, \$10.00; per 1000, \$85.00; postage 8c each.

**MAMMOTH SIZE.** 12 in. and up circumference. Price, each, 20c; doz. \$2.00; per 100, \$16.00; postage 12c each.

**CALLAS**

**Elliotiana (Golden Yellow Calla).** The most sensational advance in Calla Lily flowers this century. A good bloomer, very distinct. You will be delighted with its wonderful flowers and rare coloring; leaves green, spotted white.

Large bulbs, each 35c; doz. \$3.50; per 100, \$25.00. Medium bulbs, price, each, 25c; doz. \$2.60; per 100, \$20.00.

**Spotted Leaf.** Flowers are white with glossy, dark, rich green foliage marked and dotted with numerous white spots. Price, each, 10c; doz. \$1.00; per 100 \$6.00. Wt., doz., 1 lb. packed.

**Summer Flower Bulbs**

**Why  
Vaughan's  
Bulbs  
are  
Popular**

These roots are matured so their flowering is certain. They often succeed when seedlings and tender plants fail.

Our popular Cannas have made Chicago Parks flower beds famous.

Our Caladiums make a tropical display.

Vaughan's Gladioli are seen in midsummer in thousands of vase displays, hotels, restaurants and private homes. Select our named kinds or mixtures for your garden and you will astonish your guests at every dinner party from July to October.

**TUBEROUS-ROOTED BEGONIAS**

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

**SINGLE SORTS, White, Scarlet, Yellow, Pink.** Price, each, 5c; 4 for 20c; doz., 50c; per 100, \$3.50; per 1000, \$30.00.

**SINGLE FRILLED.** Price, each, 10c; doz., 90c; per 100, \$6.00.

**SINGLE BUTTERFLY.** Price, each, 10c; doz., \$1.00; per 100, \$7.00.

**SINGLE MIXED COLORS.** Doz., 45c; per 100, \$3.25; per 1000, \$27.00.

**DOUBLE SORTS, White, Scarlet, Yellow, Pink.** Price, each, 10c; 4 for 20c; doz., 75c; per 100, \$5.00; per 1000, \$45.00.

**DOUBLE FRILLED.** Price, each, 12c; doz., \$1.25; per 100, \$8.00.

**DOUBLE BUTTERFLY.** Price, each, 12c; doz., \$1.25; per 100, \$8.00.

**DOUBLE MIXED COLORS.** Doz., 65c; per 100, \$4.50; per 1000, \$40.00.

For started plants in May see page 120.

**NEW FREE-FLOWERING TUBEROUS BEGONIAS**

**BERTINI.** 10 to 12 inches high; single flowering; elongated petals, vermillion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. Price, each, 25c; doz. \$2.50; per 100, \$20.00.

**CRISTATA.** Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. Price, each, 25c; doz. \$2.50; per 100, \$20.00.

**GRAF ZEPPELIN.** Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. Price, each, 25c; doz. \$2.50; per 100, \$20.00.

**LAFAYETTE.** A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. Price, each, 35c; per doz. \$3.50; 100, \$25.00.

**APIOS TUBEROSA** Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.

Price, each, 5c; per doz. 50c, postpaid; per 100, \$3.00, (exp.)

**CINNAMON VINE** Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Large Roots, each 10c; 3 for 25c; doz. \$1.00; per 100, \$6.00.

**CHLIDANTHUS FRAGRANS** Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and Tuberosa. Each, 10c; 3 for 20c; doz. 75c; 100, \$5.00.



AMARYLLIS—Kerr's New Hybrids



# Tuberose

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the choicest bulbs which the market produces for our trade.

## EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms.

**MAMMOTH BULBS.** Each 7c, 4 for 25c; doz. 65c, postpaid; by express, each 5c; doz. 50c; per 100, \$3.00; per 1,000, \$25.00.

**FIRST SIZE BULBS.** 3 for 15c; doz. 50c, postpaid; by express, 3 for 12c; doz. 35c; per 100, \$2.00; per 1,000, \$15.00.

**SECOND SIZE BULBS.** All-flowering; often sold by so-called "bargain-stores" under the name "first-class," 6 for 15c; doz. 25c, postpaid; by express, 6 for 12c; doz. 20c; per 100, \$1.00; per 1,000, \$8.00.

**ARMSTRONG'S EVER-BLOOMING.** This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in everyone's garden. Price, each 7c; 4 for 25c; doz. 60c, postpaid; per 100, \$3.50, by express.

**SILVER-LEAVED.** This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. Price, each, 5c; doz. 50c, postpaid; per 100, \$3.00, by express.

**ALBINO.** New branching single variety blooming much earlier than the old single variety; fine for cut-flowers. Price, each, 5c; doz. 50c, postpaid; per 100, \$3.00, by express.

## THE MEXICAN EVER-BLOOMING SINGLE TUBEROSE



MEXICAN TUBEROSE

These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single, delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white till cut down by frost. They never blight, and the smallest bulb blooms the first season, generally sending up from 5 to 15 flower stalks. If the stalk is cut when the first flower opens and put in water, the flowers increase in size and whiteness, and keep for a week or ten days. Price, each, 10c; doz. 75c; per 100, \$4.00.

## GLOXINIA—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and lose part of their beauty.

**EMPEROR FREDERICK.** Red, with a pure white border.

**MONT BLANC.** Pure white. **DEFIANCE.** Rich crimson-scarlet.

**EMPEROR WILLIAM.** Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Price, each, 10c; 3 for 25c; doz. \$1.00, prepaid; per 100, \$8.00. Mixed colors, each, 9c; 3 for 25c; doz., 80c prepaid; per 100, \$6.00.

## HYACINTHUS CANDICANS (Summer Hyacinth)

Splendid bulb for planting in the perennial border, being perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. Large bulbs.

Price, each, 5c; 3 for 12c; doz. 45c, postpaid; by express, 100 for \$3.00.

## TIGRIDIA (Shell Flower)

Curious and beautiful shell-like flower about four inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May and taken up in October and kept over winter in dry sand.

**NAMED VARIETIES.** Each 6c; doz. 60c, postpaid; per 100, \$4.00, by express.

**MIXED VARIETIES.** Each 5c; doz. 50c, postpaid; per 100, \$3.50, by express.

## ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as Gladiolus.

**ROSEA.** Beautiful clear rose; flowers large and very handsome; blooms all summer.

Each 10c; 3 for 25c; doz. \$1.00, postpaid; per 100, \$6.00; per 1,000, \$50.00.

**CANDIDA.** Pure white and the most profuse bloomer of all. Price, each, 6c; 3 for 15c; doz., 60c, postpaid; per 100, \$4.00; per 1,000, \$35.00.

## IPOMOEA PANICULATA

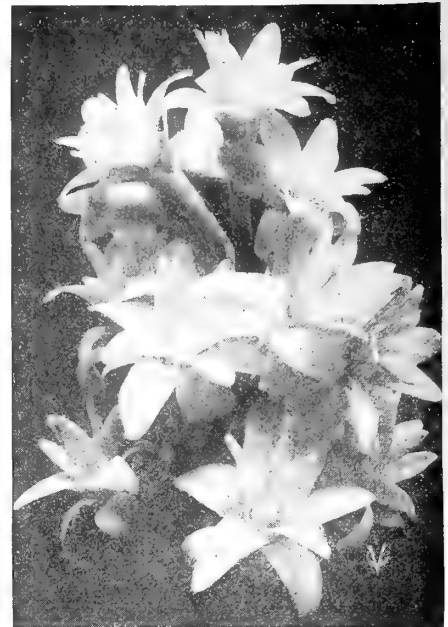
(Mexican Morning Glory) Flowers, Pink Shade of Lavender

Introduced and at present supplied only by us.

The vine grows 25 feet long and the leaves are 10 inches apart, with a cluster of flowers at each leaf. The root, like the Dahlia, is of hardier substance, increasing in size from year to year. The woody fibre never rots and can be kept like Dahlia roots in an ordinary cellar. Plant one and its free flowering and style of growth will make it your delight and the envy of your neighborhood.

**FIRST SIZE ROOTS—Price, each, 25c; doz. \$2.50;**

**EXTRA SIZE ROOTS—Price, each 35c; doz. \$3.50.**



TUBEROSE—EXCELSIOR PEARL

## ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. Price, each, 10c; 3 for 25c; doz. \$1.00; per 100, \$7.00.

## MADEIRA VINE

One of the best and most popular climbers, not for the flower, which is insignificant, but for its leaves, which are small, dark green and very dense. Vine is of slender growth and will succeed in any location, doing best, however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong tubers. Large roots. Price, each, 5c; 3 for 12c; doz., 40c; postpaid; 100 for \$2.50; per 1,000, \$20.00.

## MONTBRETIA

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladiolus in growth and produce beautiful spikes of star shaped flowers in various shades of orange, yellow and red.

Mixed varieties, 3 for 10c; doz. 30c; 100 for \$2.00, postpaid; per 1,000, \$15.00.

## SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and a continuous show of bloom. Pure white, pink or red.

Either color, doz. 15c; 100 for 75c, postpaid; per 1,000, \$6.00.



GLOXINIA

"I want to tell you that the Single Tuberous-rooted Begonias we ordered from you last spring were splendid, and admired by everyone who saw them. From the time they came into bloom they bloomed continuously all the Summer and Fall, and Winter (inside); in fact there is a flower on the yellow and red at the present time (March). Some of the blooms measured 7 inches across."

EMMA McDUGALL, Lake Villa, Ill.

We are Gladiolus growers and specialists. See pages 116, 117 and 118 for the best named kinds and finest mixtures of these best-of-all summer-flowering bulbs.

# Vaughan's Gladiolus Specialties

Plant  
Gladiolus

They Bloom for  
Everybody

Home Grown—  
Sure to Flower

Gladiolus are the most attractive and useful for cut flowers of all the summer-flowering bulbs. They will flower by July, because their sturdy growth is assured from the stored-up strength in the bulbs.

By selecting special soils and fertilizers we produce sound, healthy roots.

This flower has increased in popularity wonderfully during 1916. We distributed by mail last spring over 200,000 bulbets with great satisfaction.

By importations and with best American seedlings we have now a remarkable Gladiolus collection. For two months our summer counter display of named blooms has been greatly admired, as have our exhibits at Garden Club Shows.

A succession of bloom may be had from July to October by making plantings from April to June, ten days apart. Planting directions given FREE on request. (Sorts marked \*our introduction.)

Our prepaid prices are very low, having lowest zone rates out of both New York and Chicago. We get in third zone and below a radius of three hundred miles on every side of both cities.

## \*MRS. W. S. BREWSTER (New 1915)

A new Nanceianus seedling, and one of the best of this fine type. The color is white, overlaid bluish, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper. Price, each 35c; doz. \$3.50.

## \*MARY BLACKMAN (New 1915)

Named in honor of the noted Blackman family of Indiana Florists.

Nanceianus variety of large size and fine quality. Flowers a beautiful shade of salmon red; the lower petals finely feathered and pencilled at the base with carmine on a rich golden yellow. A very decorative variety lasting a long time when cut. Price, each 15c; doz. \$1.25.

## \*MARGARET

A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 8 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A good cut flower; if cut when the first flowers open, is usable for ten days.

Price, each 20c; doz. \$1.75; per 100 \$12.00.

**BLEUATRE.**—Lilac blue with carmine blotch on lower petals. Price, each 25c; doz. \$2.50.

**BOUQUET d'OR.**—Cream yellow suffused pink with deep cherry red, yellow blotch. Each 20c; doz. \$2.00.

**CAPTIVATION.**—Large cream-colored flowers with throat tints of garnet, and a large light yellow blotch on each of the three lower petals. Each 40c; doz. \$4.00.

**\*CHAS. L. HUTCHINSON.**—A valuable addition to the Princeps class, in height and size of flowers equal to the original. The color of the flowers is a rich blood red, the middle rib of each petal being a shade deeper and the color is intensified by the warm velvety lustre. Free flowering. Price, each 50c; doz. \$5.00.

**\*CHICAGO SALMON (New).**—Clear salmon, light buff and carmine marking in throat. Price, each 10c; doz. \$1.00; per 100 \$7.00.

**EPICURE.**—Fine plant of dwarf habit. Enormous, well opened flowers, white slightly streaked lilac. On the lower petals a dark lilac blotch. Very fresh color. Price, each 20c; doz. \$2.00.

**GIANT WHITE.** A very large flower of great substance—makes a grand spike. Pure white with slight veining in lower petals. Each 20c; doz., \$2.00.

**KOENIGIN WILHELMINA.**—Clear salmon pink, cherry red blotch, edged white. Each 15c; doz. \$1.50.

**L'INNOCENCE.**—Delicate bluish suffused rose, yellow blotch with faint carmine stripes. Each 25c; doz. \$2.50.

**MRS. W. E. FRYER.**—Bright scarlet. Price, each 20c; doz. \$2.00.

**MENTOR.**—Slate color with a rosy hue, red blotch on white ground. Price, each 50c; doz. \$5.00.

**MASTODON.**—Deep crimson with white markings in throat, white stripe on four lower petals. Price, each \$1.00; doz. \$10.00.

**MERCEDES.**—Very large flowers carmine rose at edge of petals, the centre being a very pale rosy-white. A fine crimson red blotch edged yellow. Each 30c; doz. \$3.00.

**MYRTLE.**—Tender and delicate rose pink. "The most beautiful pink yet produced in gladiolus." Brings highest price of any variety in the Chicago market. Price, each 20c; doz. \$2.00.

**NIAGARA.**—In color the flowers are a delightful cream shade with the two lower petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of petals are blushed with carmine. Each 10c; doz. \$1.00; per 100 \$6.00.

**NEGERFURST.**—Dark velvety red with black spots flamed with white and rose. Each 40c; doz. \$4.00.

**ORANGE GLORY.**—Bright orange with slight purple and white markings in throat. Each 60c; doz. \$6.00.

**PANAMA.**—A new seedling of "America" which resembles the parent variety in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Price, each 10c; doz. 75c; per 100 \$5.00.

## \*PRIMULINUS "SUNBEAM"

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of all of the Primulinus type insures their popularity in our best Decorative Class. It has a clear yellow color and is a strong grower. Price, each 25c; doz. \$2.50; per 100 \$20.00.

## \*ALICE MARTIN (New 1916)

This Ragot (French) hybrid like its parent class produces a grand stalk nearly 5 feet tall with very large flower spike. The individual flowers are broad, full and open, the general color is white suffused toward center with purple lilac, back of petals striped and veined.

Price, each \$1.00;

## MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals.

Price, each 15c; doz. \$1.50; per 100 \$10.00.

**PRIMULINUS MAJOR HYBRIDUS.**—The range of colors is very remarkable, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers we believe these new Hybrids will be appreciated for in-door decorations. Each 10c; doz. \$1.00; per 100 \$7.00.

**ROCHESTER WHITE.**—Pure white. 20c; doz. \$2.00.

**ROSE GLORY (New 1917).** A new color in the "Ruffled Type". Clear rose pink with carmine throat. Petals beautifully ruffled. A very attractive spike. Price, each 50c; doz., \$5.00.

**RUBY KING.**—Intense dark, ruby red. 15c; doz. \$1.50.

**RUFFLED GLORY.** With "Ruffled" Petals—Delicate pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout stalks, fully 3½ feet. Each petal is exquisitely ruffled. 8c; doz. 75c; 100 \$5.00.

**SAFRANO.**—Cream color, slightly veined lilac. Canary and carmine blotch; edges slightly frilled. Price, each 45c; doz. \$4.50.

**SCHWABEN.**—A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best of clear canary yellow, shading to a soft sulphury yellow when opening. Price, each 30c; doz. \$3.00.

**SNOW KING.**—Pure white. Each 10c; doz. \$1.00.

**SPHINX.**—Very tall plant; long spike of pure lilac red flowers, with a small purplish-red blotch and a white band on the lower petals. Each 30c; doz. \$3.00.

**SUNBURST.**—Bright canary lightly edged with flames of carmine-rose. Price, each 35c; doz., \$3.50.

**WHITE GLORY (Ruffled).**—As tall and vigorous as Ruffled Glory, with darker foliage. The ground color is a clear solid white and the lower petals have a distinct Iris-blue marking of same form where Ruffled glory is marked with red. The general appearance is very Iris-like. An extraordinary striking variety. Very tall, vigorous and showy. Each 50c; doz. \$5.00.

**ILLINOIS STATE FAIR COLLECTION.**—This is an entirely new collection offered for the first time last year. It represents the varieties of Gladiolus that we had on exhibition at the State Fair in addition to other varieties of merit. They are all large flowering and a good range of colors, which we are sure will please. 12 bulbs postpaid, \$1.00; 25 bulbs by express, \$1.75; 50 bulbs by express, \$3.25.

**VAUGHAN'S ORCHID GLADIOLUS.**—"Orchid Flowered." These are mostly blotched purple and white, blue or lilac and white, often of hooded type. Very effective for decorative display. Price, each 15c; 3 for 40c; doz. \$1.50.

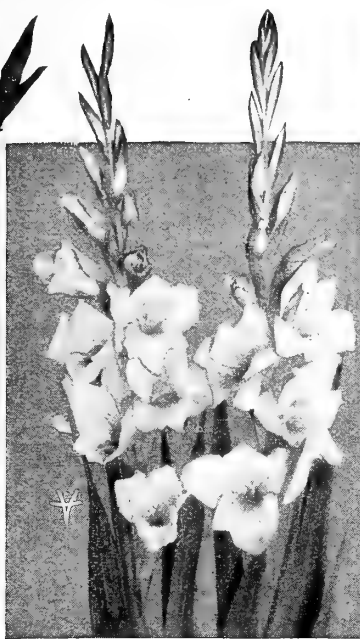
DESDEMONE

CHICAGO  
SALMON

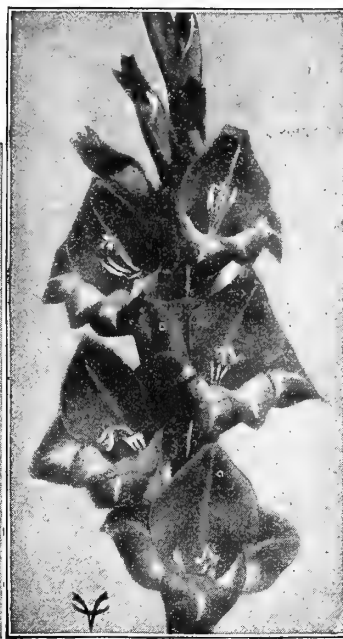
MRS FRANK PENDLETON



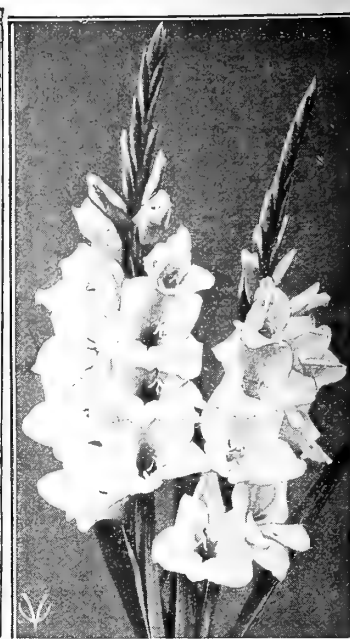
MRS. WALTER S. BREWSTER



HYDE PARK



MARGARET



SCHWABEN

**MRS. FRANCIS KING** VAUGHAN'S INTRODUCTION

**The Leading Decorative Gladiolus for the Trade**

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks with foliage, its effective flower spike with a good line of reserve buds continually opening, with flower  $4\frac{1}{2}$  inches across, five to six flowers well spread out on the spike at the same time, its brilliant vermilion scarlet color gives, for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other.

Large Bulbs, each 5c, doz. 40c, postpaid; per 100, \$2.00; per 1000, \$18.00  
Medium Size, 4 for 10c; doz., 30c, postpaid; per 100, \$1.75; per 1000, \$15.00

	Each	Doz.	100
ADMIRAL CERVERA. Slaty-rose, striped and edged violet, creamy-white blotch.	\$0.15	\$1.50	\$10.00
ALINE. Pure white, slightly striped crimson.	.20	2.00	15.00
AMERICA. Soft lavender pink.	.05	.40	2.00
AMERIQUE. Compact, well shaped spike with large, well expanded flowers, cinnabar-red, striped red-brown.	.15	1.50	10.00
ANNIE WIGMAN. Pale yellow, dark blotch.	.10	1.00	6.00
ARISTOPHANES. Pure salmony-rose, white band in the center of each petal and straw-colored blotch.	.20	2.00	15.00
ASTARTE. Pale rosy lilac, streaked with rose.	.15	1.25	8.00
ATTRACTION. Deep rich crimson, with large white center and throat.	.05	.50	2.50
AUGUSTA. Pure white, blue anthers.	.05	.50	2.50
BARON J. HULOT. Dark velvety purple.	.05	.50	3.50
BLANCHE. Pure white, with very faint markings.	.20	2.00	15.00
CANARY BIRD. Clear canary yellow.	.15	1.50	10.00
CANICULE. Clear scarlet red, creamy-white blotch on lower petals.	.20	2.00	15.00
CARDINAL. Clear intense scarlet.	.20	2.00	15.00
CARNATION. Fleshy-white tinged at the edges with carmine.	.15	1.00	10.00
CHICAGO WHITE. White, lavender marking in throat.	.10	.75	5.00
CHRYSOLORA. Golden-yellow.	.15	1.25	8.00
COLUMBIA. Orange-scarlet, blotched and penciled with bluish purple.	.06	.60	4.00
CONTRAST. Large scarlet with white center.	.45	4.50	35.00
CYNOSURE. Immense flowers of exquisite deep rose-pink, marked on the lower petals with a throat blotch of crimson-lake.	.20	2.00	15.00
DAWN. Beautiful shell pink.	.40	2.50	20.00
DAZZLER. Magnificent large Princeps-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes; fine long spikes well-filled.	.30	3.25	25.00
DESDEMONE. Ashy-rose striped lilac; large dark red blotch, edged Ivory-white. Immense spike of double-row flowers well placed.	.20	2.00	15.00
DEUIL DE ST. PIERRE. Ashy-rose, striped and suffused with violet purplish-red blotch.	.15	1.50	10.00
ELAINE. Bright cherry-red, slightly striped with creamy-white on lower petals.	.40	3.50	.....
ELIZABETH KURZ. Pure white with faint marking.	.15	1.50	10.00
EMMA THURSBY. White, striped and blotched.	.06	.60	4.00
ENCHANTRESS. Blush white, slightly flaked with lake-pink toward the margins; throat encircled on the lower petals with carmine-lake blotch.	.30	3.25	.....
EUGENE SCRIBE. Tender rose, blazed carmine red.	.40	.75	5.00
EUROPE. Pure white; best white we know.	.20	2.00	15.00
FASCINATOR. Splendid large flowers of salmony-pink tinted with flakes of carmine, throat bluish with carmine-lake pencillings, long spike, graceful.	.25	2.50	.....
FERNANDO CORTEZ. Pale yellow, violet-red striped.	.25	2.50	20.00

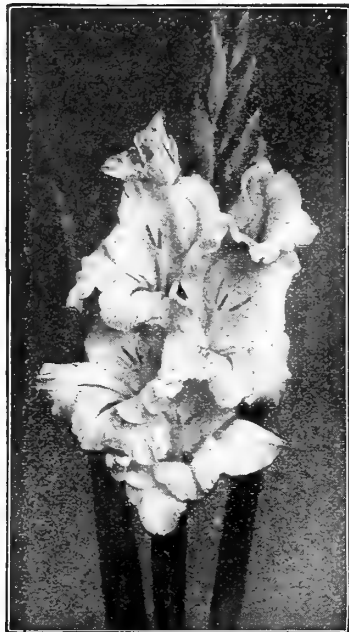
**VAUGHAN'S PRINCEPS**

Princeps has more than verified the claims made by us. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties, that all combined place it in the front rank. The flowers are 5 to 6 inches broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three white blotches on lower petals.

Large Bulbs, each, 10c; doz., 75c, postpaid; per 100, \$5.00.

	Each	Doz.	100
FIRE KING. Long graceful spikes showing half a dozen immense blooms open at the same time. Color intense fire-scarlet. More brilliant than Benchleyensis or Cardinal. Is perfectly grand.	\$0.10	\$1.50	\$10.00
FLAMBEAU. Immense flowers of vivid orange-scarlet with an effective throat blotch of white, shaded and marked with tyrian-lake on the lower petals.	.40	4.00	.....
FLORENCE. Bright lilac, white blotch on lower petals.	.25	2.50	20.00
FRED WIGMAN. Red, yellow throat.	.10	1.00	7.00
GAIETY. Immense Amaryllis-like flower, four inches across, with broad, round petals or carmine-rose overlaid with glowing orange-sheen, a large white blotch ornaments each of the three lower petals.	.40	4.00	.....
GERALDA. Flowers of bright deep rose with conspicuous white ribs and throat; forming a graceful spike.	.30	3.25	.....
GLORY OF HOLLAND. Pure white.	.10	1.00	7.00
GLORY OF BRIGHTWOOD. Scarlet, lemon throat.	.10	1.00	7.00
GOV. HANLEY. Tall, showy, early; rich cardinal red.	.15	1.50	10.00
GRAND CONDE. Salmony-rose striped with violet-red, white blotches.	.15	1.50	10.00
HALLEY. Salmon pink, very early.	.05	.50	3.00
HERADA. Blooms of immense size on tall straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. A very attractive color.	.35	3.25	.....
HYDE PARK. Frosty sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream.	.10	1.00	6.00
IRENE. Pink, flaked with crimson.	.10	1.00	7.00
IRIS. Soft lavender with white throat spotted faintly with carmine.	1.00	10.00	.....
ISAAC BUCHANAN. Very fine yellow.	.10	1.00	7.00
JEAN BART. Bright crimson-red, ivory white blotch.	.15	1.50	10.00
JESSIE. Rich velvety red.	.10	1.00	7.00
KATE. Blush white, crimson blotch on throat.	.06	.60	4.00
KLONDYKE. Light yellow, with crimson.	.10	.75	5.00
LA COMETE. Violet-lilac, with stripes of a paler shade, white blotch.	.25	2.50	20.00
LA LORAIN. Bright salmony-red, blotch dark purplish red.	.20	2.00	15.00
LESLIE. Light delicate pink with rich crimson-maroon blotches pointed white.	.20	2.00	.....
LILY LEHMAN. Pure white with faint blush pink markings on edge of petals, lemon yellow blotch in throat.	.10	1.00	7.00
LUSTROUS. Large flowers of lovely orange-rose; lower petals have a large throat blotch of yellow, slightly shot with purplish-lake.	.20	2.00	.....
LUTIN. Cherry red with deep crimson blotch.	.15	1.50	10.00
MADAME BRUNELLET. Rosy lilac and carmine.	.20	2.00	15.00
MADAME MONNERET. Delicate rose.	.06	.60	4.00
MADAME P. PALMER. Rose suffused with carmine, blotch cream colored, edged cherry-red.	.25	2.50	20.00
MARECHAL FABERT. Large flower, satiny-rose marbled carmine-red; the lower petals penciled raspberry-red on a straw-colored ground. Early flowering variety.	.25	2.50	20.00
MARIE THERESE. White with a few rosy stripes.	.20	2.00	15.00
MAY. Pure white flaked rosy crimson.	.06	.60	4.00
MELROSE. White flaked pink, bright-crimson center.	.15	1.50	10.00





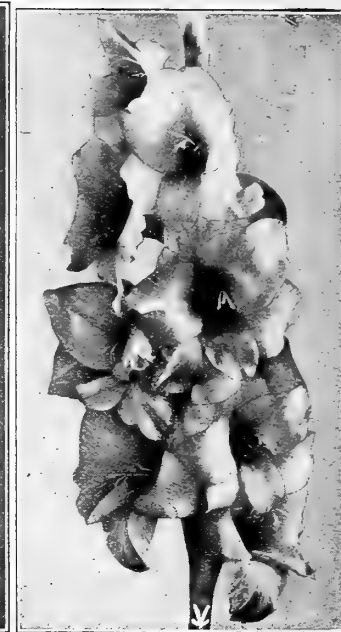
"RUFFLED" GLORY



CHAS. L. HUTCHINSON



EUROPE



ALICE MARTIN

	Each	Doz.	100
MADRILENE. Bright salmony rose with carmine blotch	\$0.20	\$2.50	\$15.00
MEPHISTO. Coppery scarlet	.20	2.00	15.00
MRS. BEECHER. Deep rosy crimson, throat pure white	.10	1.00	6.00
MRS. F. M. LUPTON. A distinct light rose, equal to Panama or America. Large, well-spreading flower and long perfect spike	.45	4.50	....
MOHONK. Dark pink, spotted throat	.10	1.00	6.00
MONT CENIS. Fine white, full spike, strong grower	.30	3.25	....
MORNING STAR. White with crimson throat	.10	.75	5.00
NEWPORT. Salmon-rose, exceedingly soft and pleasing, with large white center and good spike. Certificate of Merit at Newport	.40	4.00	....
NEZINSCOTT. Bright blood scarlet with deep velvety crimson-black blotch and white mottlings	.10	1.00	6.00
PEACE. A grand white flower, very large, with pale violet feathering on over petals; flowers correctly placed on a tall graceful spike. Should be planted early.	.15	1.50	12.00
PHLEGETON. Dazzling scarlet-red, violet-red blotch on lower petals	.25	2.50	20.00
PINK BEAUTY. Rose pink with dark crimson blotch	.06	.60	4.00
PINK PERFECTION. Delicate apple blossom pink	.15	1.25	8.00
PRECURSEUR. Bright rosy-lilac, with carmine-red blotch on a white ground	.20	2.00	20.00
RADIANCE. A grand, big pink; immense flowers of a charming tone of rose-pink slightly flamed with deeper lake-pink; splendidly filled spike	.40	4.00	....
RED AMARILLAS. Brilliant blood red flower of giant size on medium height plant. Blooms formed like an Amaryllis. A most gorgeous and showy red	.25	2.50	20.00
ROSY SPRAY. White, beautifully sprayed rose	.10	.75	5.00
SALEM. Salmon-pink, maroon blotches	.10	1.00	6.00
SCRIBE. Tender rose, tinted white, striped carmine	.10	1.00	6.00
SHAKESPEARE. Blush white, with large rosy blotch	.06	.60	4.00
SILVERETTA. Blush white with carmine blotch on yellow ground	.30	3.25	....
SOPHOCLES. Fine fiery red, blotch of a velvety garnet-red with white stripes	.35	3.50	25.00
SOUTHAMPTON. An immense spike of large flowers. Color a soft orange-rose, sometimes slightly flaked. White bars and light yellow throat. This is quite a distinct and most pleasing color, and a splendid flower in every way	.50	5.00	....
SULPHUR KING. Clear sulphur yellow	.20	2.50	15.00
SUNLIGHT. Light crimson with large canary throat	.10	1.00	6.00
SUPERB. Pink, flaked and striped with salmon pink	.10	.75	5.00
THERMIDOR. Salmon-red, flushed and edged slaty-grey	.10	1.00	7.00
VAN DAEL. Flowers of a delicate salmony-rose at the center, streaked with blood-red at the top of petals	.15	1.50	10.00
VELVET KING. Dark scarlet, similar to Brencleyensis	.06	.60	4.00
VIOLA. A very large Lemoine type flower of exquisite mauve-blue, gradually shading to rich violet at the edges: throat toned canary with purple-garnet	.25	2.50	20.00
WAR. Deep blood-red, shaded crimson-black	.20	2.00	15.00
WILLY WIGMAN. Creamy white, scarlet blotch	.10	1.00	7.00
WILD ROSE. Delicate rose	.15	1.25	8.00
WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine pink. A conspicuous throat blotch of crimson-lake	.25	2.50	20.00

**SPECIAL OFFER No. 600B.** Two each of the following six varieties sent by mail, postpaid, for 75c: Mrs. Francis King, Princes, Chicago White, Canary Bird, Baron J. Hulot, Shakespeare.

**SPECIAL OFFER No. 500B.** Two each of the following six varieties sent by mail, postpaid, 50c: Augusta, Brencleyensis, America, Klondyke, Ruffled Glory, Kate.

## GLADIOLUS IN COLORS

	Doz.	100	1000
Blue shades	\$1.00	\$6.00	\$50.00
Lilac and Violet	1.00	6.00	50.00
Mouse Colored	1.25	8.00	75.00
Pink	.40	2.50	20.00
Pink and White	.60	4.00	30.00
Scarlet and Red	.30	1.75	15.00
Scarlet with White Throat	.60	4.00	30.00
Striped Shades	.60	4.00	30.00
White and Light Shades	.60	3.50	30.00
Yellow Shades	.60	4.00	35.00

## VAUGHAN'S RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childs' kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up, and we believe unexcelled by that offered by any American firm.

Price, doz., 60c, postpaid; by exp., 50 for \$2.25; 100 for \$4.00; 250 for \$8.00; per 1000, \$30.00.

## GIANT "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childs' varieties. Included in this are many Childs' seedlings not yet named.

Doz., 50c, postpaid; by exp., 50 for \$1.75; 100 for \$3.50; per 1000, \$30.00.

## EXTRA FINE MIXED

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childs', are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types.

Doz., 50c, postpaid; by exp., 50 for \$1.65; 100 for \$2.85; per 1000, \$22.50.

## VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. The mixture contains excellent values.

Price, doz., 40c, postpaid; by exp., 50 for \$1.25; 100 for \$2.00; 250 for \$4.00; per 1000, \$15.00.

## VAUGHAN'S SPECIAL BLUE MIXED

This mixture contains blue, slate, lavender and purple shades of choice varieties. Price, each, 15c; 3 for 35c; doz., \$1.25; per 100, \$8.00.

## VAUGHAN'S STANDARD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, which we call "STANDARD MIXED," will be found satisfactory everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are planted.

Price, 4 for 12c; doz., 25c, postpaid; by exp., 50 for 75c; 100 for \$1.25; 250 for \$2.75; 500 for \$5.00; per 1000, \$9.00.

## HOMWOOD MIXTURE

This is a fine grade of bulbs, about one inch in diameter, all blooming size, selected from some of the choice kinds we grow in large quantities on our farms. They will give as large a spike as a fully matured bulb, but as they do not come up to the specified size for our regular trade, we make this special offer to those who want a moderately priced grade of some of the choicest kinds. The best pinks, whites, reds, and many odd and pleasing shades are included.

Price, prepaid, 75 bulbs for \$1.00; by express, at purchaser's expense, 275 for \$3.00; 500 for \$5.00.



# Vaughan's Lily Bulbs

Effective and lasting for Out-door Planting in Beds  
or Hardy Plant Border

For color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the Hardy Plant Border, where their hardiness make them so desirable; the list below affords blooms from early summer till fall. We have gathered below the best possible collection grown in many countries, Japan, Holland, England and United States.

Price each includes postage. Larger quantities are at purchaser's expense by express or parcel post.

**Approximate Weights of Lilioms.** 8-9 inch, doz., 4-5 lbs.; 9-11 inch, doz., 6-7 lbs.; 11-12 inch, doz., 9-10 lbs.

## LILIUM MYRIOPHYLLUM (New)

A new and very rare lily from China. The flowers are white shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented and its extreme hardiness makes it a valuable lily for outdoor planting. Awarded a First-Class Certificate by the Royal Hort. Soc., London, 1912. **Each, \$1.00; doz. \$10.00.**

## LILIUM AURATUM

(The Gold-banded Lily of Japan)

The most beautiful variety of all the lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Each	Per Doz.	Per 100
<b>First Size</b> —(8-9 in.).....	\$0.20	\$1.40	\$ 8.00
<b>Mammoth</b> —(9-11 in.).....	.25	2.00	13.00
<b>Monster</b> —(11-12 in.).....	.45	3.50	20.00

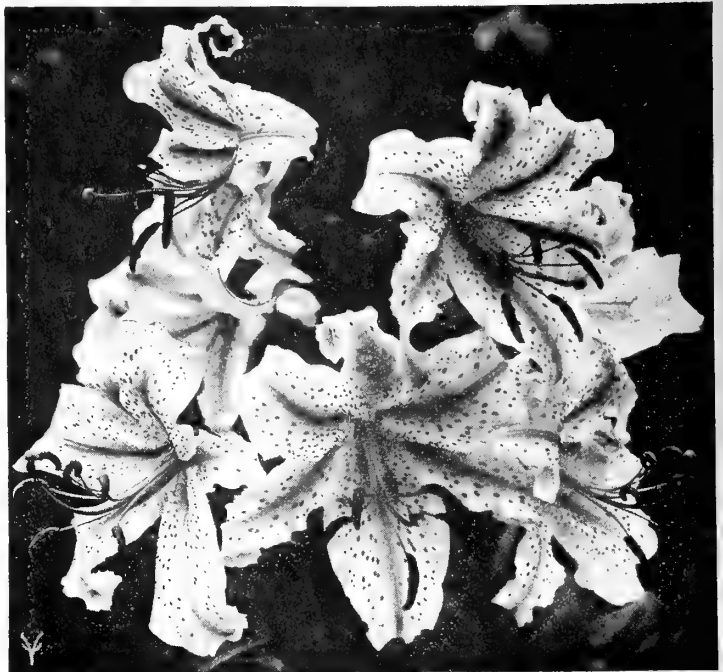
## LILIUM SPECIOSUM

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings of **Rubrum** and **Melpomene** types.

ALBUM—Pure white:	Each	Per Doz.	Per 100
<b>First Size</b> —(8-9 in.).....	\$0.20	\$1.75	\$12.00
<b>Mammoth</b> —(9-11 in.).....	.30	2.50	15.00
<b>RUBRUM</b> —White, spotted and rayed rosy red.	We consider this the most satisfactory of the Speciosum class. Ea.		
<b>First Size</b> —(8-9 in.).....	\$0.20	\$1.40	\$ 8.00
<b>Mammoth</b> —(9-11 in.).....	.25	2.00	13.00
<b>Monster</b> —(11-12 in.).....	.45	4.00	20.00

MELPOMENE—Type of Rubrum.	Each	Per Doz.	Per 100
<b>First Size</b> —(8-9 in.).....	\$0.20	\$1.40	\$ 8.00
<b>Mammoth</b> —(9-11 in.).....	.25	2.00	13.00

"I take pleasure in mailing you under separate cover photograph of Liliun Auratum which I bought of you last Spring. This one bulb produced twenty-one perfect blooms." PAUL N. PRASS, South Bend, Ind.



LILIUM AURATUM

## AURATUM PLATYPHYLLUM

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping, and of greater substance.

	Each	Per Doz.	Per 100
<b>First Size</b> —(8-10 in.).....	\$0.25	\$2.50	\$15.00

## VARIOUS HARDY LILIES

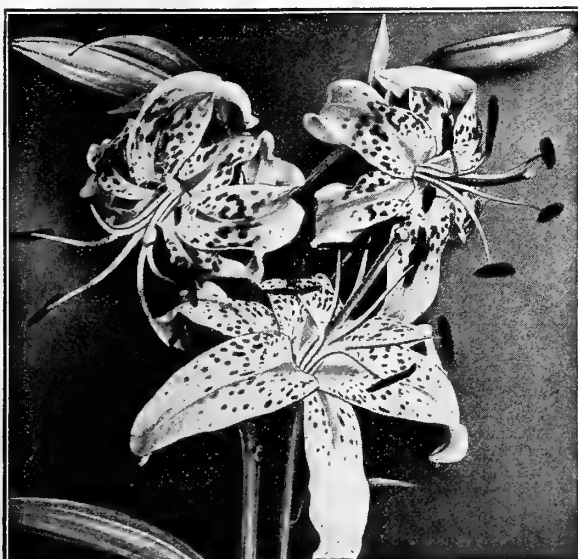
<b>Canadense.</b> (Meadow Lily.) Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Perfectly hardy. Fine bulbs.....	Each \$0.12	Per Doz. \$1.25	Per 100 \$ 8.00
<b>Elegans Mixed.</b> .....	.10	1.00	7.00
<b>Hansoni.</b> Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable. Under favorable conditions it attains a height of 3 to 4 ft.....	.40	4.50	35.00
<b>Henryi.</b> A new rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; the color, a rich apricot-yellow, lightly spotted with brown.....	.40	4.50	35.00
<b>Pardalinum</b> —(Leopard Lily.) Rich scarlet and yellow, spotted rich brown.....	.12	1.25	8.00
<b>Superbum.</b> The finest of the native lilies. Flowers bright orange, thickly spotted purple.....	.10	1.00	7.00
<b>Tenuifolium</b> —(Siberian Lily.) Native of Siberia; one of the very hardiest lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering.....	.10	1.00	7.00
<b>Tigrinum Splendens</b> —(Improved Single Tiger Lily.) Very hardy native lily; orange-red, spotted purple-black..	.10	.90	6.00
<b>Tigrinum Fortunei</b> —(Improved Tiger Lily.) Bulbs will produce more flowers than ordinary variety.....	.25	2.50	15.00
<b>Tigrinum Flore Pleno</b> —(Double Tiger Lily.) The well known double Tiger Lily. Rich orange blossoms, 4 ft.....	.10	1.00	7.00
<b>Umbellatum.</b> Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot; blooms about midsummer.....	.10	1.00	7.00

## LILY OF THE VALLEY

**Large Imported Clumps.** For outdoor planting in a shady moist position, these will give better bloom than the pips. (Average weight of each clump is 3 lbs.) **Ea., 30c; doz., \$3.00; 100, \$22.00.**

## SPECIAL LILY COLLECTION

One each, 12 varieties our selection, postpaid **\$1.60.**

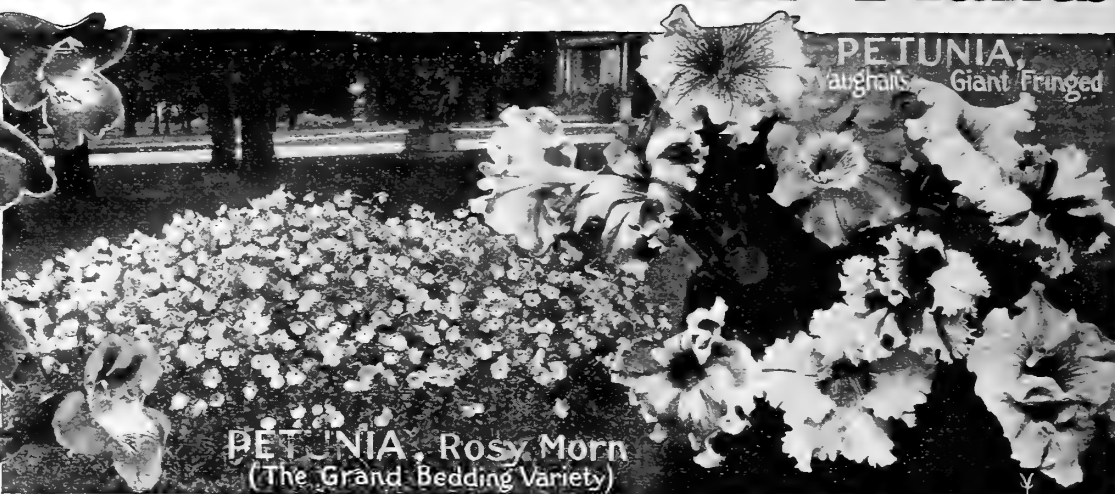


LILIUM SPECIOSUM RUBRUM

# Greenhouse and Garden Plants



**PENTSTEMON,**  
Southgate Gem



**PETUNIA, Rosy Morn**  
(The Grand Bedding Variety)

**PETUNIA,**  
Vaughan's Giant Fringed

## CONVEYANCE OF PLANTS

**PARCEL POST.** When requested we send small orders by this means, but always prefer to send **BY EXPRESS**, as we can send larger plants, pack more carefully, and they arrive in better condition. We add extra plants to help defray express charges. Please remit extra money as follows for postage:

Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 20c.

**Important.** All orders are shipped as soon as possible upon receipt. If

instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

Bedding plants are ready May 1st, and should not be planted earlier.

**Safe Arrival Guaranteed.** Unless instructed to the contrary, we send all plants by express. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the purchaser.

**NOTE:** The term (exp.) after a price denotes to be sent by express.

## ABOUT PRICES OF PLANTS

Where the price each is given, these are our rates for 3 of a kind.

All plants except where noted are from 2 1/4 in. pots.

Each	3 for	Each	3 for
15c.....	40c	35c.....	\$1.00
20c.....	50c	40c.....	1.10
25c.....	65c	45c.....	1.25
30c.....	80c	50c.....	1.40

## Bedding Plants

**AGERATUM, Little Blue Star.** Flowers intense blue. 6 to 8 in. For borders.....  
3 in. pots.....

**ALTERNANTHERA.** For carpet bedding and edges.  
**Aurea Nana.** Green and yellow, 6 in.....  
**Brilliantissima.** Broad bright red foliage, dwarf and compact.....

**ALYSSUM, Vaughan's Little Gem.** The best pure white dwarf Alyssum. Height 4-6 in.....

**AMARYLLIS, Giant Hybrids.** A very fine strain of seedlings. Grand variation of bright colors.  
Large Bulbs (exp.).....  
Small plants prepaid.....

**ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain.** Pink, red, white, yellow or mixed. 2 in. pots.....

**Nelrose.** Lovely flesh pink.....  
**Silver Pink.** Beautiful shade.....

**Mammoth White.** Best white for bedding.....  
**De Soto (Vaughan's).** Beautiful enchantress pink, of immense size. The best of all the pinks.....

**ASTERS, Vaughan's Giant Branching.** Lavender, red, rose, pink, shell pink, purple, white or mixed. Transplanted seedlings.....  
Pot grown, 2 1/2 in.....

Each	Doz.	100
\$0.10	\$1.00	\$7.00
.15	1.50	10.00
.10	1.00	6.00
.10	1.00	6.00
.10	.75	5.00
1.00	10.00	...
.25	2.50	...
.10	.75	5.00
.15	1.25	8.00
.15	1.50	10.00
.15	1.50	10.00
.05	.30	2.00
.10	.60	4.00

## BEGONIAS, for Outdoor Bedding

**Fairy Queen.** Flowers, deep pink, changing to rose; green leaves. 10 to 12 in.....  
**Cloire de Chatelaine.** Silvery pink, compact habit, strong, vigorous grower, carrying its flowers well above the foliage. 2 in pots.....  
3 in. pots.....  
**Luminosa.** Bright scarlet. Red foliage.....

**TUBEROUS ROOTED—Started Plants.** These will be ready to send out after May 1st. They will commence to bloom a short time after setting out and continue into late Autumn. The flowers are very large, often 4 and 6 inches across and are excellent for bedding. **Single Scarlet, Pink, Red, White or Mixed**.....

**CALADIUM Esculentum. (Elephant's Ear.)** Started plants, 5 in. pots.....  
Started plants, 6 in. pots.....  
**Fancy Leaved.** (See House Plants, page 121.)

**CASTOR OIL BEAN PLANT. (Ricinus) Green or Red foliage,** for center of beds. Tall. 2 1/2 in. 4 in. pots.....

**CENTAUREA Gymnocarpa. (Dusty Miller)** Grayish leaves. 8 to 12 in. For borders.....

**CELOSIA Childsii (Chinese Woolflower).** Large crimson feathery heads.....

**COLEUS, Anna Pfister.** Bright yellow and crimson. 12 to 14 in.....  
**Golden Bedder.** Large yellow leaves. 12 to 14 in.....  
**John Pfister.** Crimson, edged gold. 12 to 14 in.....  
**Verschaffeltii.** Dark crimson leaves. 12 to 14 in.....  
**Beckwith's Gem.** A fine combination of gold and crimson maroon.....  
**COSMOS, Early Flowering.** Crimson, pink, white or mixed. Fine for cut-flowers.....  
**Lady Lennox.** Late, shell pink. Large flowers.....  
**Late Giant Flowering.** Crimson, pink, white or mixed.....  
**DAISY (Bellis Perennis) English Mammoth.** Pink or white.....  
**DRACAENA Indivisa.** Long narrow green leaves; useful for vases, beds and window-boxes. 3 in. pots 4 in. pots.....  
Larger plants, each 50c, 75c and \$1.00.  
**FEVERFEW, Double White "Little Gem."** For borders.....  
**Golden Feather.** 4 to 6 in. For borders.....

Each	Doz.	100
\$0.10	\$1.00	\$6.00
.10	1.00	6.00
.10	1.00	6.00
.10	1.00	6.00
.10	1.00	6.00
.10	.75	5.00
.10	.75	5.00
.10	.75	5.00
.10	1.00	7.00
.15	1.50	...
.25	2.50	...
.10	1.00	6.00
.10	.75	5.00

**FUCHSIAS** Easy of culture in partly shaded location. They are suitable for growing out-doors either in beds, pots, boxes or vases.

**Black Prince.** A misnomer as far as name is concerned, being of a bright, waxy carmine; tube and plants large and broad, with green tips, large, pink corolla.  
**Elm City.** One of the best; sepals a rich crimson; corolla deep purple and very double; free flowering and easy to grow.

**Phenomenal.** The flowers are of enormous size, sepals bright scarlet, with rich violet-purple corolla, very double.

**Speciosa.** Pale red tube and sepals; dark red corolla, there frequently being from thirty to forty flowers on a single branch.

**Rosain's Petrie.** A variety unsurpassed among all the Fuchsias, with white corolla. Tube and sepals are brilliant deep scarlet, thick and leathery in texture; corolla is very large, double and pure white.

Prices of above. 2 1/2 in., each, 15c; doz., \$1.50. 4 in., each, 25c; doz., \$2.50.

**GERANIUMS.**—See next page.  
**HELIOTROPE, Centefleur.** Dark purple.....  
4 pots.....  
**Mammoth Mixed**.....  
4 in. pots.....  
**LANTANA, Leo Dex.** Orange scarlet changing to crimson; robust grower.....  
4 in. pots.....  
**Weeping.** Drooping, valuable for window boxes.....  
**LOBELIA, Bedding Queen.** Bright blue.....  
**Crystal Palace Compacta.** Deep blue.....  
**Sapphire.** Long deep blue flowers, white eye; effective for baskets.....  
**MARGUERITE, Mrs. F. Sander.** New white.....  
4 in. pots.....  
**Queen Alexandra.** Pure white.....  
4 in. pots.....  
**Etoile d'or.** Rich yellow.....  
4 in. pots.....  
**PANSY, Vaughan's International Mixture.**.....  
Vaughan's Giant-Flowered.....

Each	Doz.	100
\$0.10	\$1.00	\$6.00
.20	2.00	16.00
.10	1.00	6.00
.20	2.00	15.00
.15	1.15	...
.25	2.50	...
.15	1.25	...
.10	.75	5.00
.10	.75	5.00
.10	.75	5.00
.15	1.25	8.00
.25	2.00	15.00
.15	1.25	8.00
.25	2.00	15.00
.25	2.50	15.00
.60	4.00	...
.50	3.50	...



## BEDDING PLANTS—Continued

- PENNISSETUM Longistylum.** Graceful white plumes. 12 to 18 in. For borders of Canna beds. Each, 10c; per doz. 75c; 100, \$5.00.
- PENTSTEMON, Southgate Gem.** Brilliant Scarlet with white markings at throat; very free and attractive for massing. Each, 10c; per doz. \$1.00; 100, \$7.00.
- PETUNIA, Balcony Queen.** Purple with white markings. Each, 10c; doz. 75c; 100, \$5.00.
- Rosy Morn.** Rose with white markings. Each, 10c; per doz. 75c; 100, \$5.00.
- Vaughan's Choicest Double.** White, Pink, Purple, Variegated Lavender or Mixed. Each, 15c; doz. \$1.50; 100, \$10.00.
- Single Fringed Mixed.** Each 10c; per doz. 75c; 100, \$5.00.
- PHLOX Drummondii.** Pink, scarlet, white and mixed. Each, 10c; doz. 75c; 100, \$5.00.
- SALPIGLOSSIS.** Vaughan's Special Mixture. Each, 10c; doz. 75c; 100, \$5.00.
- SALVIA SPLENDENS** (Scarlet Sage).  
Drooping Spikes, 2½ ft. Each 10c; doz. \$1.00; 100, \$6.00. 4 in., each 20c; doz. \$2.00; 100 \$12.00.
- Fireball, 1½ ft.** Each 10c; per doz. \$1.00; 100, \$6.00. 4 in., each 20c; doz. \$2.00; 100 \$12.00.
- Maroon Prince, Deep maroon red.** Each 10c; doz. \$1.00; 100 \$6.00. 4 in., each 20c; doz. \$2.00; 100, \$12.00.
- Zurich, 15 to 18 in.** Each 10c; per doz. \$1.00; 100 \$6.00. 4 in., each 20c; doz. \$2.00; 100 \$12.00.
- VERBENA Hybrida.** Mammoth pink, purple, scarlet, white or mixed. Each 10c; doz. 75c; 100, \$5.00.
- Beauty of Oxford.** A mammoth flower of a soft pink shade. Each 10c; doz. \$1.00; 100, \$6.00.
- Charles Martin.** Each 10c; doz. \$1.00; 100 \$7.00.
- Crimson King.** Rich crimson. Each 10c; doz. \$1.00; 100 \$7.00.
- Ellen Willmott.** Rich salmon pink. Each 10c; doz. \$1.00; 100 \$6.00.
- Frances.** Clear rose, large flowers, strong grower. Very attractive. Each, 10c; doz. \$1.00; 100, \$6.00.
- Lavender.** Pale mauve. Each 10c; doz. \$1.00; 100 \$6.00.
- Lemon Scented.** Delightful fragrance. Each, 15c; per doz. \$1.50.
- VINCA.** See Climbing Vines.
- ZINNIAS.** Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed. Each, 10c; doz. 75c; 100, \$5.00.



GERANIUM—Beaute Poitevine

## GERANIUMS—Bedding Sorts.

**Alphonse Riccard.** Large brilliant scarlet trusses.  
**Beaute Poitevine.** A favorite semi-double pink.  
**Jean Viaud.** Semi-double rose pink, white eye.  
**Lucifer.** Double. Glowing scarlet, very free flowering and large flower heads.  
**John Doyle.** A fine rich double scarlet.  
**La Favorite.** The best double white.  
**Mad. Barney.** Asplendid, dwarf, semi-double pink.  
**S. A. Nutt.** Best dark crimson-scarlet bedders.  
Prices of above (except where noted) Each 10c; per doz. \$1.00; 100, \$7.00. 3 in. each, 15c; doz. \$1.25; 100, \$10.00. 4 in. each 20c; doz. \$1.75; 100, \$12.00.

## Variegated Leaved

**Mme. Sallerai.** The best border geranium, twelve inches high. Foliage variegated green and white. Each 15c; doz. \$1.50.

## GERANIUMS—Ivy Leaved

**Beauty of Jersey.** A free flowering double pink.  
**Joan of Arc.** Only double white Ivy Geranium.  
**Souv. de Chas. Turner.** Rosy pink, double.  
**Victor Von Shirley.** Semi-double flowers, rich glowing scarlet in large trusses; free bloomer.  
Prices of above. Each 15c; doz. \$1.25, 100, \$7.00. 3 in., each 20c; doz. \$1.75; 100 \$12.00.

## Pansy Geraniums

**Easter Greeting.** (Ever blooming). Remarkable for its early and free-flowering habit. The flowers are large, bright amaranth red; dwarf.  
**Lucy Becker.** Same type as Easter Greeting with a very pleasing shade of rosy pink.  
**Mrs. Loyal.** A grand variety, very suitable as a house plant of easy growth.  
Prices of above, each 25c; doz. \$2.50. 4 in. pots, each 35c; doz. \$3.50.

# PLANTS

## FOR HOUSE AND CONSERVATORY

**ARAUCARIA** (Norfolk Island Pine). (Fig. 6.) 12 in. high, \$1.00 each. Larger Plants, each \$1.50, \$2.00, \$3.00 and \$5.00.

**ASPARAGUS Plumosus** (Lace Fern). Fine for table decoration.  
**Sprengeri.** Suitable for hanging baskets and porch boxes. 2½ in. pots, each 15c; doz. \$1.50. 4 in. pots, each 25c; doz. \$2.00.

**ASPIDISTRA** (Iron Plant). Green or Variegated. \$1.50 and \$2.00 each.

**AUCUBA Japonica Variegata** (Gold Dust Plant). A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, \$1.00; each, 3 for \$2.75; 24 to 30 in. high, \$2.00 each, 3 for \$5.50. If wanted in tubs add 50c to the above prices.

**BOUGAINVILLEA Sanderiana.** Rosy crimson flowers from Easter to midsummer. Each 25c; doz. \$2.50.

**CALADIUMS, Fancy Leaved.** (Fig. 3). Dry bulbs, 1½ to 2 inches in diameter. For window boxes, show plants or greenhouse growing they are invaluable. Rich, thrifty leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red. Bulbs should be started into growth about April 1st, in a warm house. Each 30c; 6 for \$1.50; doz. \$2.50. Started plants of above, in May. 35c, 50c and \$1.00 each.

**CROTONS.** (Fig. 2). The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. 3 in. pots, each 30 cents; doz. \$3.00. Larger plants, each 50c; Specimens, each \$1.00, \$1.50 and \$2.00 (exp.).

**CYPERUS ALTERNIFOLIUS** (Umbrella Plant). Excellent house or aquatic plant. 3 in. pots, each 15c; doz. \$1.50; 4 in. each 25c; doz. \$2.50.

**DRACAENA Indivisa.** Much used for vases, window-boxes and hanging baskets. 4 in. pots, each 25 cents; doz. \$2.50 (exp). 5 in. pots, each 50 cents; doz. \$5.00 (exp).

**Amabilis, Imperialis, Lindenii, Massangeana** (Fig. 4) and **Terminalis** (Fig. 5) in various sizes for conservatories. 75 cents to \$2.00 each.

**EUONYMUS Japonica.** Bright green glossy foliage.

**Japonica Variegata.** Variegated green and gold. Above are invaluable for window boxes, pedestals or porch decoration. 1½ ft. high. Each, 75c.

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.

**FARFUGIUM Grande** (Leopard Plant). A very effective room plant. Has large round leaves, mottled with white and yellow blotches. Each 25c.

**FERNS—Boston.** Long graceful drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant. Each 15c; doz. \$1.50. Larger, 25c, 50c, 75c and \$1.00.

**Cybotium Schiedei** (Fig. 1). A very ornamental fern for room or hall. Each 75c.

**Cyrtomium Rochfordianum** (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. Each 25c.

**Nephrolepis Roosevelt, Jr.** ("Teddy Jr.") A sport from the above producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, each 20 cents; doz. \$2.00. Larger plants, each 50c, 75c and \$1.00.

**Nephrolepis Whitmani** (Ostrich Plume Fern). Finely divided fronds resembling a plume. Each 20 cents; doz. \$2.00. Larger plants, each 50c, 75c, \$1.00 and \$1.50.

**Adiantum** (Maiden Hair). Each 20c; doz. \$2.00.

**Asplenium Nidus Avis** (Bird's Nest Fern). An attractive house fern. Ea. 75c.  
**Small Ferns for Dishes.** We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. One each, 8 varieties. Each 10c; doz. \$1.00.

**FICUS Elastica** (Rubber Plant). 4 in. pots, 10 in. high, 50c; 5 in. pots, 75c. Repens. A trailing variety with small leaves. 3 in. pots. Each 20c.

**HYDRANGEA Otaka.** Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-yr. at 50 cents each; 3-yr. at \$1.00 each. Specimens in tubs, \$3.00 and \$5.00.

**PANDANUS Utilis** (Screw Pine). Green leaves, red spines. 50c and 75c. **Veitchii.** Variegated green and white. \$1.00, \$2.00 and \$3.00 each.

**PALMS.** We have **Kentia Belmoreana** and **Forsteriana**, and **Phoenix Canariensis** and **Roebelenii**; fine plants at 50c, 75c, \$1.00.

**SCILLA Maritima** (Sea Onion). An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. Each, 15c, 20c and 35c.





**YELLOW  
KING HUMBERT**

## VAUGHAN'S NEW AND LATEST SELECTIONS

- Adolph Grimminger.** 4½ ft. Foliage broad, dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of immense size. Each 25c; 3 for 65c; doz. \$2.25.
- Aigle.** 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings whatever, carried in large erect spikes. Each 25c; 3 for 65c; doz. \$2.25.
- Altitude.** 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance. Each 25c; 3 for 65c; doz. \$2.25.
- Aviation.** 4 ft. Foliage green, good sized spike; flowers very large, clear vermilion. Each 35c; 3 for \$1.00; doz. \$3.50.
- Charles Lutz.** 4½ ft. Foliage large, vigorous and healthy green. Flowers very large yellow. Each 25c; 3 for 65c; doz. \$2.25.
- Ehrenfels.** Brilliant clear orange flowers of large size carried in massive trusses over the deep red foliage. One of the best of the dark leaved varieties. Each 35c; 3 for \$1.00; doz. \$3.50.
- Eureka.** 4 ft. Remarkably free flowering variety, and with its striking white flowers, which first appears cream, makes a very effective show in conjunction with good scarlet such as Firebird or King Humbert. Each 35c; 3 for \$1.00; doz., \$3.50.
- Fanal.** Flowers intense brilliant fiery cinnabar-red, broad petals. Foliage fresh green bordered brown. Each 35c; 3 for \$1.00; doz. \$3.50.
- Garam.** 3½ ft. Foliage green, of magnificent growth, trusses very large, fiery carmine, cinnabar-red. Each 20c; 3 for 50c; doz. \$1.75.
- Gladiator.** 4½ ft. One of the finest bedders, color deep yellow freely dotted with red. Each 20c; 3 for 50c; doz., \$1.75.
- Gladioflora.** 3½ ft. Green foliage. Crimson changing to carmine rose, edged with gold. Petals are rounded and white. Each 20c; 3 for 50c; doz. \$1.75.
- Goldbird.** (l'Oiseau d'Or). 4½ ft. Flowers of good shape and large size; vigorous growth. The color is a bright yellow making it a good companion to Firebird. Each 75c; 3 for \$2.00; doz., \$7.50.
- Gustave Gompper.** 3½ to 4 ft. Flowers of great size and substance, in color a fine golden yellow, the lower petals being slightly splashed with red. Stiff erect stems and large flower spikes. Each 20c; 3 for 50c; doz. \$1.75.
- Hohenzollern.** Beautiful clear canary-yellow flowers borne in graceful, large trusses. Broad, green healthy foliage. One of the best of its color. Each 50c; 3 for \$1.25; doz. \$5.00.

Note that we offer the plants in two sizes.

Small size, from 2½ in. pots.

Larger size, from 4 in. pots, ready to bloom.

**Planting.** Place a stake in the center of the bed and with a radius of 18 inches mark the first row of Cannas. Set the plants 18 inches apart in the row. Increase the radius by 18 inches for each successive row. Plants other than Cannas require different distances.

# VAUGHAN'S

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterizes the Canna beds of today. No park, no public garden, private estate, or even moderate town plat is complete this summer without a showing of Cannas. Our large displays of them at Western Springs are a wonderful sight during August and September and the admiration of all visitors. We discard older and smaller types as better ones come along. Notable among these are "King Humbert," and "Firebird."

## Vaughan's

### FIREBIRD THE BEST SCARLET GREEN-LEAVED VARIETY IN EXISTENCE

The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, and the color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it.

Price, each 35c; 3 for \$1.00; doz., \$3.50; 100, \$20.00.

### YELLOW KING HUMBERT 4 ft. New, 1917.

An orchid-flowering sport of the well known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow heavily spotted and blotched with bright red.

Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement, rather than a defect. Each 75c; 3 for \$2.00; doz., \$7.50.

- Hungaria.** 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. Each 25c; 3 for 65c; doz. \$2.25.
- Improved Mont Blanc.** Large pure white. The plant is very robust and carries its flower well above the foliage. 2½ in. pot plants. Each 20c; 3 for 50c; doz. \$1.75.
- John Farquhar.** 4 ft. Foliage bright metallic brown-red. Flowers salmon red, streaked orange. The flowers form a beautiful contrast over the magnificent leaves. Each 20c; 3 for 50c; doz. \$1.75.
- Julius Koch.** 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. Each 20c; 3 for 50c; doz. \$1.75.
- Maros.** 3½ to 4 ft. One of the best white-flowering Cannas. Its flowers of creamy white are produced very freely. Each 20c; 3 for 50c; doz., \$1.75.
- Matador.** 4½ ft. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color is rich scarlet, marbled cerise, very striking and distinct. Each 20c; 3 for 50c; doz. \$1.75.
- Mrs Alfred Conard.** 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads. Each 25c; 3 for 65c; doz. \$2.25.
- New Chicago.** 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. Each 20c; 3 for 50c; doz. \$1.75.
- Oriental.** 4 ft. Foliage light green. This is a grand variety in its color, and when massed is very effective. Flowers are golden yellow, tinged with nasturtium-red, forming immense spikes, the individual flowers being large and well shaped. Each 35c; 3 for \$1.00; doz. \$3.50.
- Queen of Yellows (Konigen der Gelben).** 4½ ft. An excellent pure golden yellow. Flowers are large with thick rounded petals, forming immense full trusses. A vigorous plant. Each 25c; 3 for 65c; doz. \$2.25.
- Rheinstein.** 4 ft. The foliage is remarkably pretty of a velvety fresh green. The flower heads are round, solid and produced in abundance and free succession. The color is that of Begonia Bavaria, a clear, brilliant rosy carmine. Of very free blooming and self-cleaning habit. Each 50c; 3 for \$1.25; doz. \$5.00.
- Stuttgartia.** 4½ ft. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect above the foliage. Each 25c; 3 for 65c; doz. \$2.25.
- Wm. Saunders.** 3½ ft. Rich bronze foliage. Flowers a deep rich, shining scarlet. 2½ in. pot plants. Each 20c; 3 for 50c; doz. \$1.75.

### FOUR STIRLING DESIGNS

#### BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); 6 Egandale, bronze (middle row); 12 Mad. Crozy (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 19 plants, small size.....	\$1.75	\$2.00
The 19 plants, large size, ready to bloom.....	3.00	3.50

#### BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows) 36 Pennisetum Longistylum (outside row), from 2 in. pots. This bed complete (the Cannas from 3 in. pots), \$5.00, by express.

**Vaughan's  
MODEL  
Canna Beds**

# CANNAS

Yellow King Humbert added to the list this year makes a glorious companion to these two. It is the finest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, at San Diego and San Francisco, we won grand medals for our exhibits of these plants.

**Culture.**—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure, by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

## Three Best

### KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES IT LEADS SINCE IT STARTED

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad leathery foliage with a strong, noble habit. Price, each 15c; 3 for 40c; doz., \$1.25; 100 \$8.00.

### Special price for the trio—

**Three  
Best  
Cannas  
Grown**

**FIREBIRD**

Red flowers, green foliage.

**YELLOW KING HUMBERT**

Yellow flowers, green foliage

**KING HUMBERT**

Red flowers, bronze foliage

One plant of each postpaid **For \$1.00**



**CANNA  
FIREBIRD**

## BEST STANDARD CANNAS OF PROVEN MERIT

PRICES, except where noted are as follows:

	Each	3 for	Doz.	100
2½ in. pot plants.....	\$0.15	\$0.35	\$1.25	\$ 8.00
3 in. pot plants, by express.....	.20	.50	1.50	10.00
4 in. pot plants, by express.....	.25	.65	2.50	18.00

The 4-in. will be ready May 15, and will commence to bloom in a short time.

### ORCHID-FLOWERING VARIETIES

**Allemania.** 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.

**Burbank.** 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.

**Frederic Benary.** 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are current red with orange throat and yellow edge.

**Long Branch.** 5 ft. The flower resembles a giant flowering Queen Charlotte in the orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.

**Louisiana.** 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.

**Mrs. Carl Kelsey.** 6 to 7 ft. Green foliage. Orchid-flowering with narrow edge of purple. Orange scarlet, flaked and striped with golden yellow petals which have a wavy edge.

**New York.** 5 ft. Dark bronze foliage, with the orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.

**Wyoming.** Bronze foliage. Flowers a beautiful shade of orange.

### YELLOW SHADES, GREEN FOLIAGE

**Buttercup.** 3½ ft. A true bright buttercup yellow, large.

**Dwarf Florence Vaughan.** Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.

**Florence Vaughan.** 5 ft. The most famous of yellow Cannas. It still remains one of the best Cannas. The flowers are rich yellow, thickly dotted red.

## COMPLETE, WITH PRICES

### BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); 6 Dwarf Florence Vaughan (middle row); 18 Salvia Fireball (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 7 Cannas and 18 Salvias, small size.....	\$2.25	\$2.50
The 25 plants, large size.....	3.75	4.00

### BED No. 4

Round, 10 ft. across. 37 Hungaria; the finest pink Canna; makes a charming display where a solid color is desired (from 3 in. pots), \$5.00 by express.

### BRONZE-LEAVED VARIETIES

**David Harum.** 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.

**Discolor.** 6 to 8 ft. Used for foliage effect, musa-like foliage.

**Egandale.** 4 ft. Bronze foliage. Considered by experts the best in this class. Strong compact flower spikes. Color currant red.

**Leonard Vaughan.** 4½ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.

### GILT EDGE VARIETIES

All have green foliage and scarlet flowers with yellow edges.

**Halley's Comet.** 3 to 4 ft. Green foliage. Blazing scarlet, pure yellow in the throat with a narrow thread of gold around each petal's wavy edge.

**Mad. Crozy.** 3½ ft. Vermilion with gold border. The sort which popularized the Canna.

**Multiflora.** 4 ft. Very bright vermilion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.

**Queen Charlotte.** 4 ft. Rich orange-scarlet with a broad gilt edge.

**Souv. de A. Crozy.** 4 ft. The flowers are scarlet-crimson bordered yellow.

### CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

**Beaute Poitevine.** 3½ ft. Large crimson flowers of a beautiful shade, much admired.

**Chas. Henderson.** 4 ft. Crimson flowers. Good bedder. Roots winter well.

**Comte de Sachs.** 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large.

**Milwaukee.** 3½ to 4 ft. Flower rich deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.

**The Express.** 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

### PINK SHADES, GREEN FOLIAGE

**Venus.** 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.

We recommend the following as most desirable for beds of solid colors.

Beaute Poitevine	Egandale	Mad. Crozy
Buttercup	Firebird	Milwaukee
David Harum	Florence Vaughan	New Chicago
Dwarf Florence	Hungaria	Queen of Yellows
Vaughan	King Humbert	The Express

Number of Cannas required for the following sizes of Round beds, 7 ft.—19 plants; 10 ft.—37 plants; 13 ft.—61 plants; 16 ft.—91 plants.

### SUITABLE PLANTS FOR BORDER AROUND CANNA BEDS

Those marked (a) to be used for Green-leaved varieties. Those marked (b) for Red-leaved varieties.

- (a) Coleus Verschaffeltii and Beekwith's Gem. (a) Achyranthus Bicolor.
- (a) Salvia, Fireball and Drooping Spikes. (b) Petunia Snowball.
- (b) Centaurea Gymnocarpa. (a) and (b) Pennisetum Longistylum.
- (b) Coleus, Golden Bedder. (b) Caladium Esculentum.





## Chrysanthemums

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties, but those varieties that have proven the best from all sources are offered.

### NEW 1917 LARGE

### JAPANESE ANEMONE

**Clemencia.** Deep pink, shading deeper in the center, it is crowded with petals. At first glance it resembles an artificial flower as the petals are very crisp and showy.

**Innocencia.** Outer petals of pure white; central petals most beautifully flushed pale pink; edges of the tubular petals in center of light yellow; an exquisite variety.

**Juno.** Deep lilac, shading to white; the center head being loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring.

**Pepita.** Pale pink with orange-yellow center; the flower is heavy and of great substance.

**Titian Beauty.** Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage; a strong grower.

**Yellow Prince.** Maise yellow, with center of brilliant orange yellow; fluffy variety as the tubular petals are loosely arranged; very light and airy appearance; most attractive in color.

Price, each 50c.

No. 124. The set of six for \$2.75, prepaid.

### LARGE FLOWERING

**Bob Pulling.** Strong grower with heavy golden yellow blooms.

**Earl Kitchener.** Silver pink, large incurving.

**Marigold.** The brightest yellow.

**Odessa.** The largest yellow to date.

**Wm. Turner.** The largest white.

**Yellow Wm. Turner.** Sport from Wm. Turner.

Price, each 20c; doz. \$2.00; per 100 \$12.00.

No. 124A. The set of 6 for \$1.00, prepaid.

### FOR POT CULTURE

Following varieties are most adapted for plants of all decorative sizes and are used extensively for conservatory and house plants.

**Aug. Dasse.** Golden yellow.

**Chieftain.** Very pleasing shade of pink. Incurved.

**Greystone.** A very beautiful golden bronze. Very attractive.

**Harvard.** Bright crimson.

**Mrs. F. Beu.** Bronze.

**Marion Newell.** Pleasing shade of pink.

**May Foster.** Snow white.

**Mutual Friend.** White, medium height.

**Mrs. W. Duckham.** Yellow, drooping petals.

**Oonto.** Clear white.

**Old Gold.** Deep yellow; large size.

**Roman Gold.** Bronzy yellow.

**Smith's Sensation.** Lighter in color than Chieftain. Good grower.

**The Bard.** Dark crimson, very free flowering.

**Wm. H. Lincoln.** Pure yellow.

Price, each 15c; doz. \$1.50; per 100 \$10.00.

No. 124B. The set of 15 for \$1.85, prepaid.

### CAPRICE TYPE

Originated in France. A new early flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, and make beautiful specimens.

**Butler's Caprice.** Flowers deep pink, compact grower, with large foliage.

**Katherine Thompson.**

**Mrs. Greening.** Flowers pink, with lighter shade in center; fine large foliage and strong stem.

**Lilac Cap.** Pretty lilac-mauve. Dwarf.

**Purple Cap.** Purple without any markings. Dwarf compact grower.

**Yellow Cap.** Bright clear yellow, ball-shaped flowers when developed.

**White Cap.** Pure white.

Price, each 20c; doz. \$2.00; per 100 \$15.00.

No. 124C. The set of 7 for \$1.25, prepaid.

### ANEMONE - FLOWERED

**Bessie Flight.** Rose pink, small cushion.

**C. L. Hutchinson.** Large white, pointed petals, small high cushion.

**Garza.** Medium size white, used extensively for sprays.

**Loretta.** Medium size yellow.

**Miss Warner.** Flesh pink.

**Mrs. Harry Eland.** Deep pink, changing to light pink;

Price, each 15c; doz. \$1.50; per 100, \$10.00.

No. 124D. The set of 6 for 70c, prepaid.

### HARDY POMPON VARIETIES

These are so well known to all that further explanation is unnecessary. These Button varieties are hardy and are well known throughout the country for their beauty combined with the Autumn foliage in the early days of Fall, lasting along into the early Winter days.

**Aileen.** Rose pink.

**Baby.** Very small flowered yellow.

**Diana.** Pure white.

**Golden Climax.** Golden yellow, and large button type.

**Golden West.** Bright yellow.

**Helen Newberry.** White, large flowers.

**Jules La Gravier.** Crimson; medium height, mid-season.

**Klondyke.** Pale yellow with small button flowers.

**Lilian Doty.** Early pink; large ball-shaped flowers.

**Princeton.** Bronze.

**Prince of Wales.** White; medium height.

Price, each 10c; doz. \$1.00; per 100 \$7.50.

### SINGLE FLOWERED VARIETIES

During the last three or four years this type has become an attraction to all Chrysanthemum growers, and several of the following varieties, not only being used for conservatory and greenhouse work, have proven to be hardy and very attractive for outdoor cultivation.

**Blazing Star.** Fiery crimson.

**Golden Mensa.** Pale yellow, and two rows of petals.

**Josephine.** Large yellow, measuring four inches across.

**Merstham Jewel.** Golden bronze with lighter points of the petals.

**Mensa.** White with yellow center and two rows of petals.

**Minnesota.** Bright crimson.

**Mrs. E. D. Godfrey.** Pink with lavender shadings.

**Phillips Bryant.** Sulphur yellow, fine for cutting.

**R. B. Burge.** The purest white with bright yellow center, similar to pond lily; not a very robust grower.

**Stanley Ven.** Pleasing rose color; very free.

**W. Buckingham.** Large rose pink.

Price, each 10c; doz. \$1.00; per 100, \$7.50.

No. 124E.  
**Vaughan's**  
**"Pompon"**  
**Collection**  
here listed  
**11 for 85c**  
**Prepaid**

No. 124F.  
**Vaughan's**  
**"Single"**  
**Collection**  
here listed  
**11 for 85c**  
**Prepaid**



**SINGLE CHRYSANTHEMUM**



**LARGE-FLOWERING OUTDOOR**



**POMPON CHRYSANTHEMUM**

# Chrysanthemums for Outdoors

## SMALL-FLOWERED OUTDOOR VARIETIES

The following varieties are a cross between French Varieties and the Hardy English varieties and have gained popularity in this country during the past two years, as, with slight protection they will withstand our severe winters. Care should be exercised in planting these in early Spring, so that they establish themselves for the vigors of our Winters, and not planted in the Fall.

- Bijou Rose.** Beautiful rose, free flowering and dwarf.
- Canary Bird.** A rich yellow, free and early.
- Charlotte.** Deep bronze.
- Excelsior.** Bright yellow and orange.
- Elva.** Early white, very free.
- Fairy Queen.** Very handsome bright pink, large.
- Kate Manning.** Reddish bronze, very early.
- Mike Goble.** Fine yellow, early.
- Miss Seeley.** White, one of the best earlies.
- Uneda.** Deep yellow; early.
- Zoda.** Rose pink; early.

Price, each, 10c; doz., \$1.00; per 100, \$7.50.  
No. 125. The set of 11 for 85c, prepaid.

## LARGE-FLOWERED OUTDOOR VARIETIES

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can recommend them.

- A. Barham.** Bronze; incurving.
- Alice.** White, borne in clusters, very free and early.
- Arlington.** A new type and color of the hardy varieties. Dark crimson, an early bloomer and continuous until late November
- Autumn Glow.** Rose crimson.
- Carpet of Snow.** White, flowering the end of August and in clusters.
- Carrie.** Flowering the end of August. Yellow and in cluster form.
- Cranfordia.** Large yellow flowers on single stems measuring 6 inches across.
- Framfield.** Early white. Starting to flower in August. Large white cluster, very free.

- LARGE-FLOWERED OUTDOOR—Cont.**
- Firefly.** A reddish bronze; flowers very early and continues until late frosts arrive.
  - Golden Queen.** Large pure golden yellow.
  - Goacher's Crimson.** The best of all crimsons, but not so free as others.
  - Gustave Grunerwald.** Light pink.
  - Horace Martin.** Golden yellow, sport of Marie Masse.
  - Indian.** Indian red, very free flowering.
  - Le Pactole.** Very pleasing bronze; free and early.
  - Miss F. Collier.** Large white flowers borne on very stiff stems, height about 30 inches.
  - Normandie.** Blush pink; very dwarf and free flowering.
  - Old Homestead.** Large pink flowers; strong grower.
  - Pink Harbinger.** Rose pink.
  - White Countess.** Large white flowers; medium early, height about 3 feet.
  - White Masse.** A white sport of Marie Masse and the same style of growth and habit.
- Price, each, 15c; doz., \$1.50; per 100, \$10.00.  
No. 125A. The set of 21 for \$2.65, prepaid.

# Vaughan's Dahlia Plants

May Delivery

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The New **Peony-flowered Varieties** illustrated on next page were raised by a notable Continental grower. A glance will show their distinct and attractive outline, and the colors will be found most fascinating.

They have won numerous awards at various European shows.

We offer all **Green plants**, with the exception of those also offered in roots, at price of plant 127.

Contrary to public opinion we maintain that **Dahlia plants are always superior to dry roots**, and are willing to take the responsibility of recommending them.

## VAUGHAN'S EARLY FLOWERING DAHLIAS

After several years trial, we have proven these to be earliest flowering varieties in our collection, flowering as early as latter part of September.

Price, except where noted, green plants, each, 15c; doz., \$1.50.

- A. D. Livoni.** A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.
- Countess of Lonsdale.** A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.  
Price, each, 20c; doz., \$2.00.
- Jack Rose.** A rich velvet crimson, like that of the Jacqueminot Rose, from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 8 inches across. Each, 20c; doz., \$2.00.
- Kaiserin Augusta Victoria.** Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage. The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind.  
Price, each, 25c; doz. \$2.50.
- Lyndhurst.** A rich and brilliant cardinal red. Fine for cut flowers.
- Merry Widow** (Lustige Wittwe.) Deep scarlet flowers of gigantic size on stems 15 inches long and measuring 4 to 5 in. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th**, but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

## Plants from 2½ in. pots after April 15th.

All except the special offers and large field clumps of unnamed and mixed Dahlias, are sent **prepaid to any post or express office in the U. S.**, unless otherwise stated

- Mrs. Henry R. Wirth.** We have always recommended Countess of Lonsdale as a Dahlia of free flowering habit and that every flower it produces is perfect. Mrs. Wirth is a splendid companion to this, having all the qualities of the former. In color a rich glowing intense scarlet. Price, each, 35c; doz., \$3.50.
- Pink Century.** Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage. Price, each, 20c; doz., \$2.00.
- Storm King.** Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers. Price, each, 15c; doz., \$1.50.
- Sylvia.** White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center, making it a great shipper. The plant is a strong and healthy grower.
- Volker.** Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being covered the entire season.
- Wm. Agnew.** The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter. Price, each, 20c; doz., \$2.00.

**SPECIAL OFFER No. 125B.** One each of the above 12 Dahlias, not prepaid, \$1.80; postpaid for \$2.00.



### NOVELTIES FOR 1917

The following New Dahlias were selected and purchased by our traveller the past summer after seeing them in the Trial Grounds of one of the most renowned European Dahlia raisers. At the time of writing these have not yet been received, and we offer green plants only subject to arrival.

Price, each, \$1.00.

**ATTRACTION.** Very large perfect and full flowers of a clear lilac rose. A rare color; plant vigorous, producing fine flower stems.

**KING OF AUTUMN.** An entirely new shade of buff yellow suffused with orange. A well formed flower of the decorative type. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom.

**ROSE GEM.** A very charming flower of a fascinating delicate pink. Wherever exhibited it has been the center of attraction. The blooms are large and carried on long stems.

**SALVATOR.** Another pink but of a deeper shade than the preceding. It is a clear rose, the plant is of dwarf habit and carries its flowers on stout stems well above the foliage. Flowers are of perfect shape and very full.

**VAUGHAN'S DAHLIA NOVELTY SET—Four for \$3.75 prepaid.**

### VAUGHAN'S NEW PEONY-FLOWERED

Five magnificent 1916 Novelties—none finer. Each, 75c.

**Bianca.** Large type flowers of lovely pink lavender color. Very free flowering. Long stalks.

**John Wanamaker.** This is an ideal among the Peony-flowered varieties, its color is an exquisite and fashionable shade of rose-lake, or, as popularly called, orchid-pink. As the flower develops the color softens, and must be seen to be fully appreciated.

**Mrs. J. C. Vaughan.** Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive. For color and outline this flower is absolutely unique, and has won many medals and cups in Europe. A good grower, the flowers standing well over the foliage.

**Professional.** Bright poinsettia-red, with a distinct yellow disc, making a charming and effective contrast. A distinct variety of unique coloring, producing flowers of exhibition size throughout the season, borne on long, strong, wiry stems. (Each 50c).

**Yellow King.** One of the finest Peony Dahlias ever shown, clear yellow, and large elegant flowers on long stiff stalks.

**SPECIAL OFFER No. 126.** One each of above 5 Dahlias not prepaid \$2.75; postpaid \$3.00.

### PEONY-FLOWERED—Standard Kinds

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd.

Price, except where noted, green plants, each 20c; 3 for 50c; doz. \$2.00.

**Germania.** Brilliant carmine, four rows of petals, compact growth.

**Glory of Groenekan.** Orange yellow, extra large flower.

**Geisha.** The showiest and most attractive of this type. The flower has peculiarly curved petals, a rich combination of scarlet and gold, the center being yellow, which becomes suffused, and deepens to scarlet at the center of the petals, shading off lighter at the edges. Each 35c; doz. \$3.50.

**Paul Kruger.** White and red flowers on very long stems.

**Queen Emma.** A charming shade of hollyhock-pink, the inner petals margined with gold. A very large and magnificent sort.

**Queen Wilhelmina.** This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free-flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

**SPECIAL OFFER No. 126A.** One each of above 6 Dahlias not prepaid \$1.00; postpaid \$1.10.

### CACTUS DAHLIAS

The cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types. The advances made in these in recent years is very noticeable, some charming blends of color being introduced, together with a form of flower which is a great improvement on the old varieties. To produce the finest flowers most of the side shoots or laterals should be pinched out when the plants get strong, leaving the terminal buds, which then make fine flowers.

#### CHOICE AND RARE SORTS

Price except where noted, green plants, each, 20c; 3 for 50c; doz. \$2.00.

**Alpenrose.** A fine flower with twisted petals, very light pink changing to white on outer petals. Free bloomer. Each, 25c; doz. \$2.50.

**Countess of Lonsdale.** A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

**Gunther.** Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper.

**Master Carl.** Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest. Each 25c; doz. 2.50.

**Mrs. Ferdinand Jeffries.** Rich, deep velvety garnet, of very large size, petals curved and twisted. Each 35c; doz. \$3.50.

**Mrs. Geo. Stevenson.** Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming.

**Rheinkönig.** Pure snow white flowers of splendid form, 5 inches and over in diameter. These are of great substance, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. Each 25c; doz. \$2.50.

**SPECIAL OFFER No. 126B.** One each of above 7 Dahlias not prepaid \$1.40; postpaid \$1.50.

#### STANDARD CACTUS SORTS

Price, except where noted, green plants, each, 15c; doz. \$1.50.

**Aurora.** An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring. Each 25c; doz. \$2.50.

**Charles Clayton.** Color is a most intense red, as vivid as to dazzle the eye. Flowers are large in size and are produced freely. Stems are long; holding the flowers well above the foliage. Each 20c; doz. \$2.00.

**Dainty.** The ground color is lemon yellow, which shades lighter as the season advances, at which time the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems. Each 25c; doz. \$2.50.

**Flora.** An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety. Each 20c; doz. \$2.00.

**Frau Hermine Marx.** A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer.

**Holsatia.** Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

**Lawine.** A pure white of good form, very free and early-flowering. Each 20c; doz. \$2.00.

**Parzival.** One of the earliest and freest flowering of the white Cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage. Each 25c; doz. \$2.50.

**Rother.** A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit. Each 20c; doz. \$2.00.

**Strahlenkrone.** Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

**Spotless Queen.** Purest white. An excellent variety for cut-flower purposes.

**Uncle Tom.** A deep velvety maroon, almost black.

**SPECIAL OFFER No. 126C.** One each of above 12 Dahlias not prepaid \$1.80; postpaid \$2.00.



## DECORATIVE DAHLIA PLANTS

Decorative Dahlias are known by their large flowers and flat petals, being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers having the greatest substance and are the best shippers. Those we include are the result of careful selection.

### CHOICE AND RARE KINDS

Prices are for green plants.

**David Harum.** Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. across. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest Decorative Dahlias. Each 25c; doz. \$2.50.

**Delice.** The finest pink Decorative Dahlia. Its beautiful soft, yet lively color, a glowing rose-pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties. Each 25c; doz. \$2.50.

**Grand Duke Alexis.** Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flowers are mammoth in size, beautifully quilled and double. Very free and early. Each 25c; doz. \$2.50.

**Henry Patrick.** A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter. Each 20c; doz. \$2.00.

**Jeanne Charmet.** Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine. Each 25c; doz. \$2.50.

**Mad. Van den Dael.** A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting. Each 25c; doz. \$2.50.

**Manzanita.** Flowers very large and double, borne well above the leaves. Color, velvety deep scarlet. An early and free bloomer. Each 25c; doz. \$2.50.

**Majestic.** 4 to 5 ft.; decorative, light scarlet, salvia-color; whole plant, covered with bloom; the great flowering Dahlia. Each 25c; doz. \$2.50.

**Souv. de Gustave Doazon.** A pleasing shade of orange red. The flower measures 6 in. in diameter, and has large, wide, thick petals of great substance. Very free bloomer. Strong and robust, growing 5 ft. high. Each 20c; doz. \$2.00.

**Virginia Maule.** A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely. Each 20c; doz. \$2.00.

**SPECIAL OFFER No. 127.** One each of above 10 Dahlias, not prepaid, \$1.85; postpaid, \$2.00.

### STANDARD SORTS

Price, except where noted, green plants, each 15c; 3 for 40c; doz. \$1.50.

**C. W. Bruton.** A fine bright yellow, very large flower.

**Crimson Giant.** Deep crimson flowers of immense size.

**Coronna.** A pure white, usually from 2½ to 3 inches in diameter, of most perfect form and remarkably free flowering. Each 20c; doz. \$2.00.

**Jack Rose.** A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across. Each 20c; doz. \$2.00.

**Lyndhurst.** A rich and brilliant cardinal red. Fine for cut flowers. Each, 20c; doz., \$2.00.

**Miss Minnie McCulloch.** This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower. Each 20c; doz. \$2.00.

**Mrs. Chas. Turner.** Pure yellow. A strong grower and profuse bloomer of immense size.

**Mrs. P. Wyndham.** Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat.

**Perle de Lyon.** This is the best white Decorative Dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition. Each 20c; doz. \$2.00.

**Queen of Yellows.** A beautiful clear color.

**Sylvia.** White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center, making it a great shipper. The plant is a strong and healthy grower.

**Wm. Agnew.** The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter. Each 20c; doz. \$2.00.

**SPECIAL OFFER No. 127A.** One each of above 13 Dahlias, not prepaid, \$1.60; postpaid, \$1.75.

## SHOW AND FANCY DAHLIAS

Show Dahlias are usually of solid color but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

Price, green plants, each 15c; 3 for 40c; doz. \$1.50.

**A. D. Livoni.** A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

**Black Diamond.** A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with dark, glossy foliage.

**Bonnard's Yellow.** A deep yellow, extra large flowers on long stiff stems.

**Frank Goodman.** Rich purple, tipped white, distinct.

**John Walker.** Pure white. Flowers are full and beautiful.

**M. D. Hallock.** Deep clear yellow, large flower and strong grower.

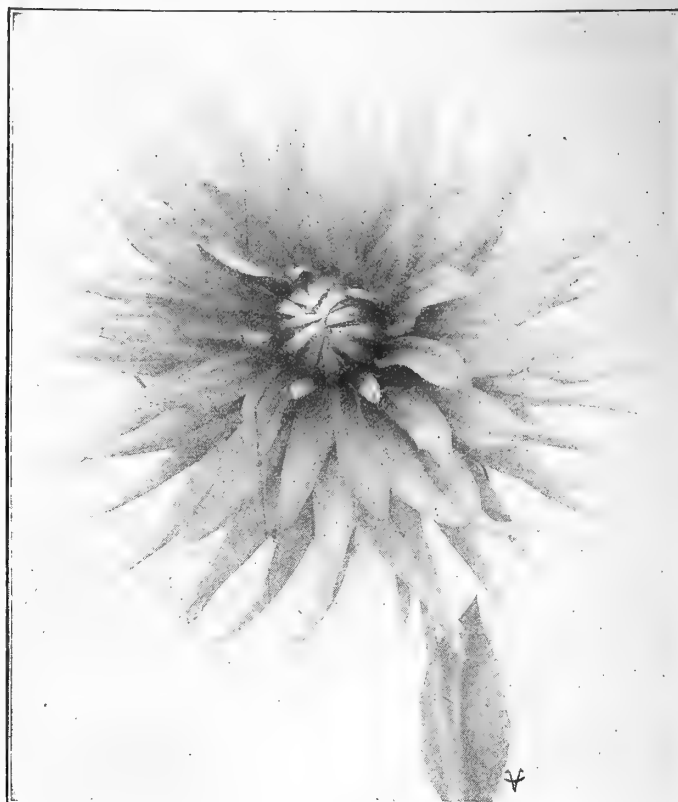
**Miss May Lomas.** A delicate white, suffused and tipped light lavender. Flowers are of good size, borne on erect, stout stems. A very free bloomer and a fine cut flower variety.

**Mrs. Dexter.** Reddish apricot, very large and full flowers.

**Red Head.** Deep red, large flowers, of dwarf, free blooming head.

**Yellow Duke.** Pure canary yellow, large size flowers on good stiff stems.

**SPECIAL OFFER No. 127B.** One each of above 10 Dahlias, not prepaid, \$1.25; postpaid, \$1.35.



COUNTESS OF LONSDALE (See page 125)

## POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Price, green plants, each 15c; doz. \$1.50.

**Anna Londeroff.** Yellow, streaked and blotched carmine.

**Elegante.** Bright pink flowers of perfect form with beautiful quilled petals.

**La Petite Barbara.** The best white Pompon. Free flowering.

**Little Herman.** Deep red, tipped white.

**SPECIAL OFFER No. 127C.** One each of above 4 Dahlias, not prepaid, 50c; postpaid, 60c.

## SINGLE DAHLIAS

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Price, green plants, each 15c; 3 for 40c; doz. \$1.50.

**Gold Standard.** Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.

**Merry Widow.** (Lustige Wittwe.) Deep scarlet flowers measuring 4 to 5 inches, of gigantic size on stems 15 inches long. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers.

**Praxiteles.** Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant.

**Pres. Viger.** Rich carlet, shaded lighter at the edges with pure light collar, occasionally rose tinted. Striking and distinct.

**SPECIAL OFFER No. 127D.** One each of above 4 Dahlias, not prepaid, 50c; postpaid, 60c.

## "NEW CENTURY" SINGLE DAHLIAS

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Price, green plants, each 20c; 3 for 50c; doz., \$2.00.

**Maroon Century.** A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

**Pink Century.** Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

**Scarlet Century.** Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

**Twentieth Century.** Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast is exquisite. Flowers very large, 5 to 6 in. in diameter.

**White Century.** A beautiful snow-white of immense size 6 to 7 in. in diameter, making a fine show.

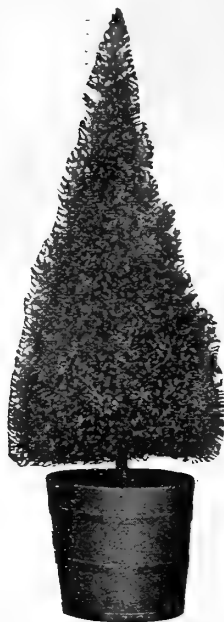
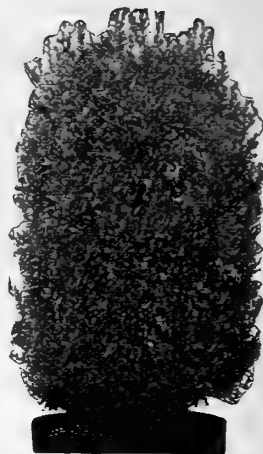
**SPECIAL OFFER No. 127E.** One each of above 5 Dahlias, not prepaid, 75c; postpaid, 85c.

## DAHLIA ROOTS

**Unnamed Double Dahlias.** Undivided field clumps in white, pink, yellow or red; good sorts. Each, 25c; doz., \$2.50, by express.

**Mixed Double Dahlias.** Undivided field clumps. Each, 15c; doz., \$1.50, by express.

**Mixed Single and Double Dahlias.** Undivided field roots. Each, 15c; doz., \$1.50, by express.

**BOX AND BAY TREES****FOR PORCHES, VERANDAS, ETC.****STANDARD BAY TREE****PYRAMIDAL BOX TREE****GLOBE SHAPED BOX TREE****BUSH SHAPED BOX****BAY TREES**

There is nothing to approach these handsome trees for decorating porches, piazzas or hall entrances, and they are largely used for stately effects in formal gardens.

The oval leaves are a dark olive green and sweet scented. Will stand only slight frost. We handle a large stock of valuable and shapely specimen trees grown in standard and pyramidal form.

**Standard or Tree Shaped**

Stem.	Crown	Each	Pair
30 to 36 in....	24 in....	\$10.00	\$18.00
42 to 45 in....	26 in....	10.50	19.00
42 to 45 in....	28 in....	12.00	22.00
42 to 45 in....	30 in....	15.00	28.00
45 to 48 in....	34 in....	18.00	34.00
45 to 48 in....	40 in....	22.00	40.00

**Dwarf Baby Standards**

Stem	Crown	Each	Pair
24 to 30 in....	24 in....	\$10.00	\$18.00

**Pyramidal Trees**

Height	Base	Each	Pair
5 ft.....	24-26 in..	\$12.00	\$22.00
6 ft.....	26-28 in..	15.00	28.00
7 ft.....	28 in..	24.00	45.00

**BOX TREES** Sheared into compact shape these Box Trees make beautiful specimen plants in any form and can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in plain, green tubs.

**Pyramidal Shaped**

Height	Each	Pair
2½ ft.....	\$ 3.00	\$ 5.50
3 ft.....	4.00	7.50
3½ ft.....	5.00	9.00
4 ft.....	6.50	12.00
5 ft.....	11.00	20.00

**Pyramid Square Shaped**

Height	Each	Pair
3½ ft.....	\$11.00	\$20.00
4 ft.....	15.00	28.00

**Tree Shaped**

Stem	Crown	Each	Pair
12 in.....	12 in.....	1.75	\$ 3.00
18 to 20 in.	Ball tops 12 in.	6.50	12.00

**Globe Shaped**

Height	Each	Pair
15 in. high..	15 in. diameter	\$5.50 \$10.00
18 in. high..	18 in. diameter	7.50 14.00

**Bush Shaped**

Height	Each	Pair	Doz.	100
10 in.....	\$0.50		\$5.00	\$38.00
12 in.....	.60	1.10	6.00	
18 in.....	.85	1.60	9.00	
24 in.....	1.50	2.50		
30 in.....	5.00	9.00		
36 in.....	7.50	14.00		

**Egg Shaped**

Height	Each	Pair
24 in. high..	14 in. diameter	\$6.50 \$12.00

**BARGAIN COLLECTIONS OF CHOICE PLANTS**

All orders for these Bargain Collections will be acknowledged and entered on our books as received. We shall commence sending out the same by **MAY 25**, except where noted, and all will be sent within two or three days from date. We cannot send them out before the above mentioned date.

This, then, is the object of offering these "Bargain" Collections regardless of value. The plants are not inferior or worthless stock, being surplus, and are often valuable high-priced varieties, but not named. The consumer is therefore able to get much for little and no space should be allowed to grow wild, untended and uncared for.

**Bargain "Canna" Collection**

10 DIFFERENT VARIETIES OF THE NEW EVER-BLOOMING CANNAS

For 75c, prepaid

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved large flowering kinds.

**Bargain "Dahlia" Collection**

12 for 75c, prepaid

We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. This collection would be cheap at double the price.

**Bargain "Geranium" Collection**

12 BEAUTIFUL GERANIUMS

For 65c, prepaid

Single and double from 2½ in. pots.

**Bargain "Shrub" Collection**

Ready May 1st

For \$1.00 we send 6 Hardy Ornamental Shrubs, our selection of sorts, 2 to 3 feet high by express at customer's expense. These will be first-class bushes.

**Bargain Collections of Garden Roses**

(See page 131)

**Bargain "Chrysanthemum" Collection**

12 CHRYSANTHEMUMS

ALL DIFFERENT AND DISTINCT SORTS—LARGE FLOWERING

This collection will be made up of best sorts only.

For 75c, prepaid. Ready May 20th

**Bargain "Hardy Chrysanthemum" Collection**

18 STRONG PLANTS, ALL COLORS

For \$1.00 prepaid. Ready May 20th

**Bargain Collection "Hardy Perennials"**

Ready May 1st

For \$1.00 we will send by express, at buyer's expense, 20 Choice Hardy Perennial plants, all different, regular price \$1.50 per dozen.

**A Model Combination Bed—10 Feet in Diameter**

1st row, 36 in. Diameter, 6 Canna King Humbert.....	18 in. apart	3rd row, 90 in. Diameter, 23 Geranium S. A. Nutt.....	12 in. apart
2nd row, 66 in. " 14 Pennisetum Longistylum.....	15 in. apart	4th row, 106 in. " 40 Geranium Mme. Salleroni.....	8 in. apart

The Collection Complete in Small Size plants, \$6.50; Large Size plants, \$9.00. By express at buyer's expense.

We do not hesitate to recommend this bed to our customers as being very desirable not only for furnishing a fine variety of plants which harmonize well at a very low cost, but also because it may be increased in size easily without losing its proportions and attractiveness. In fact we find that the larger sizes are better because the beauty is emphasized.

It must be borne in mind that the Castor Bean, Pennisetum, and Mme. Salleroni Geraniums are rapid growing and come to maturity sooner than the rest of the plants in the collection and nothing is to be gained by getting large plants of these. It is for this reason and no other that we do not attempt to supply plants of these larger than those from 2½-in. pots. This must be understood when we quote on the "Larger Size."

Larger Sized beds priced on request.

# VAUGHAN'S ROSES

WE again take pleasure in submitting our revised list of roses, new varieties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are wintered in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival at destination. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

[Ask for our pamphlet, "How to be Successful With Roses."]

## Choice Hardy Hybrid Tea Roses

The following are extra quality stock ready for shipment in April, 1917.  
Special rates for larger quantities. (Exp.) denotes to be sent by express.

**Betty.** Coppery yellow, overspread with golden rose; long, pointed bud and large full flower. When established this is a strong-growing and a prolific variety. Strong 2-year, each 50c; doz. \$5.00.

**General Superior Arnold Janssen.** This Rose has all the good qualities of "Jonkheer J. L. Mock," being a deep glowing carmine, carried erect on stiff robust stems. Very free and in every way a noble, first-class Rose. Strong 2-year, each, 50c; doz., \$5.00.

**George Arends.** Beautiful clear light pink, fine, moderately full flower. Free-blooming, vigorous and fine for cutting, having excellent lasting properties, 2-year dormant, each, 50c; doz., \$5.00.

**Hadley.** Hadley is a development from a line of seedlings raised by Alex. Montgomery, Jr., the varieties used in this development being Liberty, General McArthur and Richmond. In color it is deep, velvety crimson, retaining its brilliancy at all seasons of the year. The variety is double and buds are well formed. The fragrance is excelled only by American Beauty. 2½ in. pots, each, 25c; doz. \$2.50; 4 in. each 35c; doz. \$3.50.

**Hoosier Beauty.** Large full well formed flowers of deep rich crimson with darker shadings to center, very free in growth, mildew proof, and fragrant; fine exhibition and garden rose, described by the raisers as the finest red rose. 2½ in. pots, each 25c; doz. \$2.50; 4 in. pots, each, 35c; doz. \$3.50.

**Killarney Brilliant.** A splendid improvement on the original Killarney in every way. Color much deeper, more petalage and the best of the sports that Killarney has so far produced. 2½ in. pots, each, 25c; doz., \$2.50. 4 in. pots, each, 35c; doz., \$3.50.

**Mrs. Charles Russell.** A strong growing rose. The foliage is heavy and leathery, inclined to slightly curl on the older wood; is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed, and opens into a flower of unusual beauty. The color is a bright rose pink, deeper in the center. 2½ in. pots, each, 25c; doz. \$2.50; 4 in. each, 35c, doz. \$3.50.

**Lady Alice Stanley.** Deep, clear rose color; inside of bloom pale flesh. A very attractive Rose. The blooms are large, of great substance, and are produced freely. The Rose is exceptionally hardy. 2 year, each, 50c; doz., \$5.00.

**Duchess of Wellington.** Intense saffron yellow, stained and flushed crimson, changing to deep saffron coppery yellow, long pointed, full flowers, a splendid bedding rose. Strong 2-year, each, 50c, doz. \$5.00.



HADLEY

**Mme. Abel Chatenay.** This splendid rose is one of the best of its color; rosy carmine, with darker shade. It has wonderfully beautiful flowers, which are full, deep and double; very hardy, a strong grower and free bloomer. 3½ in. pots, each, 25c; doz. \$2.50. Strong 2-year dormant, each, 50c.

**Madame Edouard Herriot (Pernet-Ducher).** "The Daily Mail Rose." This rose has attracted more notice than any other rose that has ever been introduced. It has won gold medals in England at the International Show, in June, 1912, and again in 1913. The flower is not particularly large, but the color is almost impossible to describe. It is a gorgeous combination of reddish terra cotta with flame-colored shadings. No two artists will agree on the color of this rose. It is a splendid grower with burnished green foliage and possesses great vitality, and, like many of the new Pernetiana type, mildew proof. Strong 2-year dormant, each, 50c; doz. \$5.00.

**Mrs. Geo. Shawyer.** This rose is without exception, the finest pink rose for outdoor planting that has ever been sent out. Growth is free and continuous. Stems are long and the flowers, unlike practically every other pink rose, do not bleach in the sun but open to a lovely shade of rose pink, a trifle deeper than Mrs. John Laing. 2½ in. pots, each 25c; doz. \$2.50; 4 in. pots, each, 35c. Strong 2-year dormant, each, 50c.

**Ophelia.** Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous under all conditions. 2½ in. pots, each 25c; doz. \$2.50; 3½ in. each 35c.

**Rayon d'Or, or Golden Rays.** A gorgeous new golden yellow Rose. A vigorous, strong grower, with glossy foliage. Flowers large, of globular form, color yellow cadmium as the buds begin to expand, toning to golden-yellow as they fully develop; a superb Rose. Strong 2-year, each, 50c; doz., \$5.00.

**Special Offer No. 129.** One large plant of each of above 14 varieties for \$5.00. (Exp.) not prepaid.

## Pot Grown Plants (ON THEIR OWN ROOTS)

**Cynthia Forde.** A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite it is so free blooming and has such fine long stems. Full and perfect in form. 2½-in. pots, each 20c; 3 for 50c, prepaid; 3½-in. pots, each 35c; 3 for \$1.00.

**Caroline Testout.** Rose pink. A fine garden Rose for cutting.

**Gruss an Teplitz.** Brilliant red. One of the most prolific bloomers of all.

**Jonkheer Mock.** Red shaded to silvery white. 2½-in. pots, each 20c; 3 for 50c, prepaid; 4-in. pots, each 35c; 3 for \$1.00.

**Kaiserin Augusta Victoria.** One of the best whites.

**Killarney.** Bright pink. The favorite pink rose of America.

**Lady Hillingdon, (Tea Scented).** An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable.

**Mrs. Aaron Ward.** We cannot recommend this variety too highly for bedding and cutting. The best orange-yellow. 2½-in. pots, each 20c; 3 for 50c; per doz. \$2.00, prepaid. 3½-in. pots, each 35c; 3 for \$1.00.

**My Maryland.** A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and remarkably fragrant.

**Richmond.** Scarlet-crimson, pointed buds, and tall, erect stems; handsome dark foliage. One of the most successful and prolific roses for the garden.

**White Killarney.** Pure white. As free-blooming as its pink parent.

**W. R. Smith.** Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens great and small.

Prices of above, except where noted: 2½-in., each 15c; 3 for 40c; per doz. \$1.50, prepaid. Larger plants, from 3½ or 4-in. pots, each 30c; 3 for 80c; per doz. \$3.00.

**Vaughan's  
Special  
Offers**

**No. 129A.** One each of above twelve Roses, small plants, for \$1.50, postpaid.

**No. 129B.** One each of above twelve Roses, large plants, for \$3.00. (Exp.) not prepaid.



OPHELIA



# Hybrid Tea Roses

## Hardy Everblooming Varieties



MRS. AARON WARD

**General McArthur.**—(Hill, 1905). Vivid crimson scarlet, the most beautiful shade of any garden or forcing rose offered, retaining its brilliancy when expanded to flowers of superb form, larger than Liberty or Meteor; free from Mildew.

**George Dickson.** Its vigorous growth, its thick leathery beech-green cordate foliage, bespeak rare constitution; it produces large blooms quite five inches across. The color is velvety black scarlet crimson with brilliant scarlet reflex tips, and heavy, uniquely pure crimson maroon veining on the reverse. The blooms open naturally.

**Gloire Lyonnaise.** Creamy-white; the nearest yellow Hybrid Perpetual Rose, and a grand one.

**J. B. Clarke.** Intense scarlet, shaded crimson-maroon, very dark and rich, and sweetly fragrant; petals large, deep and smooth; extremely high pointed center: foliage bronzy-green changing to dark green; growth strong and upright, making a large, handsome bush.

**Jonkheer J. L. Mock.** This magnificent new rose came to us with a great European record, and at our greenhouses it has fully verified all advance reports of its merits. It is a splendid robust and free grower sending up strong stems which bear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounded form. Rosarians have pronounced this variety as one sure to be a world-rose in a class with Kaiserin Aug. Victoria and Frau Karl Druschki.

**Kaiserin Augusta Victoria.** One of the best white roses, either for bedding or for cut flowers. A tinge of lemon in the center adds to its beauty. Known the world over and is worthy of being planted in every garden.  $2\frac{1}{2}$  inch pots, each 15c; 4 inch, each 30c; doz. \$3.00.

**Killarney.** A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance. A rose of great beauty and excellence.  $2\frac{1}{2}$  inch pots, each 15c; 4 inch, each 30c; doz. \$3.00.

**La France.** Bright satin pink rose, with a silvery reflex, blooming early and late; one of the best roses grown.

**THIS** class has resulted from crossing the Hybrid Perpetuals with the Tea Scented varieties and possesses the hardiness of the first with the free blooming habit and fragrance of the latter. All have long pointed buds borne on strong stems which make them very valuable for cut flowers. Being so hardy, such free bloomers during the entire summer, and embracing such a wide range of color, they will undoubtedly grow in favor and be much more widely planted than at present, both in small gardens and where large beds are desired.

We especially recommend these roses for flowering in the summer and fall months and have selected only those that are best in their color and with the most desirable qualities.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus, will be found beneficial. They thrive best with applications of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time.

Up to May 10 to 15, we can supply 2-year field grown plants of the following list, after that date we offer pot-grown stock only.

**PRICES, except where noted, 2-year, field grown, each 35c, 3 for \$1.00, per doz. \$3.50. (Exp.)**

**POTTED PLANTS, (after May 10 to 15) each 50c, 3 for \$1.35, per doz. \$5.00 (by express at purchaser's expense).**

**Captain Christy.** A very beautiful flesh pink rose, large and free-blooming, deepening to a rosy crimson at the center. Unusually good.

**Cardinal.** A delightfully fragrant red rose of a strong robust habit, making it a desirable bedder.  $2\frac{1}{2}$  in. each 20c; 4 in. each 35c.

**Caroline Testout.** A grand rose which should be more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and fragrant. Excellent for cutting.

**Gross an Tepitz.** Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

**Lady Hillingdon (Tea Scented).** An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable.

**Mrs. Aaron Ward.** This beautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, while the edges of the petals which recurve in a most graceful way are creamy white; the combination is very striking and beautiful. When fully open it is an exquisite shade of pinkish fawn.

**My Maryland.** A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and remarkably fragrant.

**Pollaertrose (Improved La France).** This grand variety of a La France pink is a strong grower with large beautifully formed flowers borne very freely on strong, stiff stems. It has all the good points of a first-class rose and is strong where the La France has developed weaknesses, and undoubtedly will replace it in time.

**Prince de Bulgarie.** Silvery flesh, shaded with salmon, long bud, very distinct and good variety; vigorous.

**Rhea Reid.** A remarkably fine Hybrid Tea Rose. A vigorous grower, bearing a profusion of large, full, bright crimson flowers, very fragrant and lasting.  $2\frac{1}{2}$  inch pots, each 20c; 4 inch, each 35c; doz. \$3.50.

**Sunburst.** A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long, strong stems, is very fine for cut flowers.  $2\frac{1}{2}$  inch pots, each 20c; 4 inch, each 35c; doz. \$3.50.

**White Killarney.** A pure white sport from Killarney, with which it is identical in shape. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed, borne on strong erect stems.  $2\frac{1}{2}$  inch pots, each 15c; 4 inch, each 30c; doz. \$3.00.

**SPECIAL OFFER No. 130.** One each of the above 20 roses in large plants for \$5.50; by express, not prepaid.

## Tea Roses

These are not as hardy as the Hybrid Perpetuals and Hybrid Teas, and during winter require protection, but they possess a delightful fragrance of their own and exquisite shades of color. Their deep green glossy leaves are also characteristic. Every garden should have a sunny corner allotted to the cultivation of a few, and for the conservatory the well known Marechal Niel (offered in our "Climbing Rose" section) is indispensable.

**Cochet Pink.** Well known pink bedding rose, deliciously fragrant.  $2\frac{1}{2}$  in. pots, each 15c; 3 for 40c;  $3\frac{1}{2}$  in. pots, each 30c; 3 for 80c.

**Cochet White.** A pure white of finest fragrance and with the good qualities of its parent—the Pink Cochet.  $2\frac{1}{2}$  in. each 15c; 3 for 40c;  $3\frac{1}{2}$  in. each 30c; 3 for 80c.

**Lady Hillingdon.** Golden yellow.  $2\frac{1}{2}$  in. pots, each 15c; 3 for 40c, prepaid;  $3\frac{1}{2}$  in. pots, each 30c; 3 for 80c (exp.) not prepaid.

### TEA ROSE COLLECTION

One of each of the above three varieties in  $3\frac{1}{2}$  in. pots, \$1.00, prepaid.

### MEMORIAL ROSE COLLECTION

**Hiawatha.** Red. **Wichuriana.** White. **South Orange Perfection.** Pink. **Universal Favorite.** Blush white.

One 2-year dormant plant of each for \$1.25 (exp.) not prepaid.

## Roses of Rarer Sorts

**Hermosa.** (China.) A grand old rose. Flowers borne in clusters, clear bright pink, very double and one of the best. Strong dormant field plants, each, 30c, (exp.); per doz., \$3.00, (exp.)

**Persian Yellow.** (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

Price, strong 2-year-old plants, each, 35c; 3 for \$1.00; doz., \$3.50, (exp.)

**Rubiginosa.** (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. It is perfectly hardy and once it is planted, little care is necessary. 2-year. each, 35c; 3 for \$1.00, (exp.)

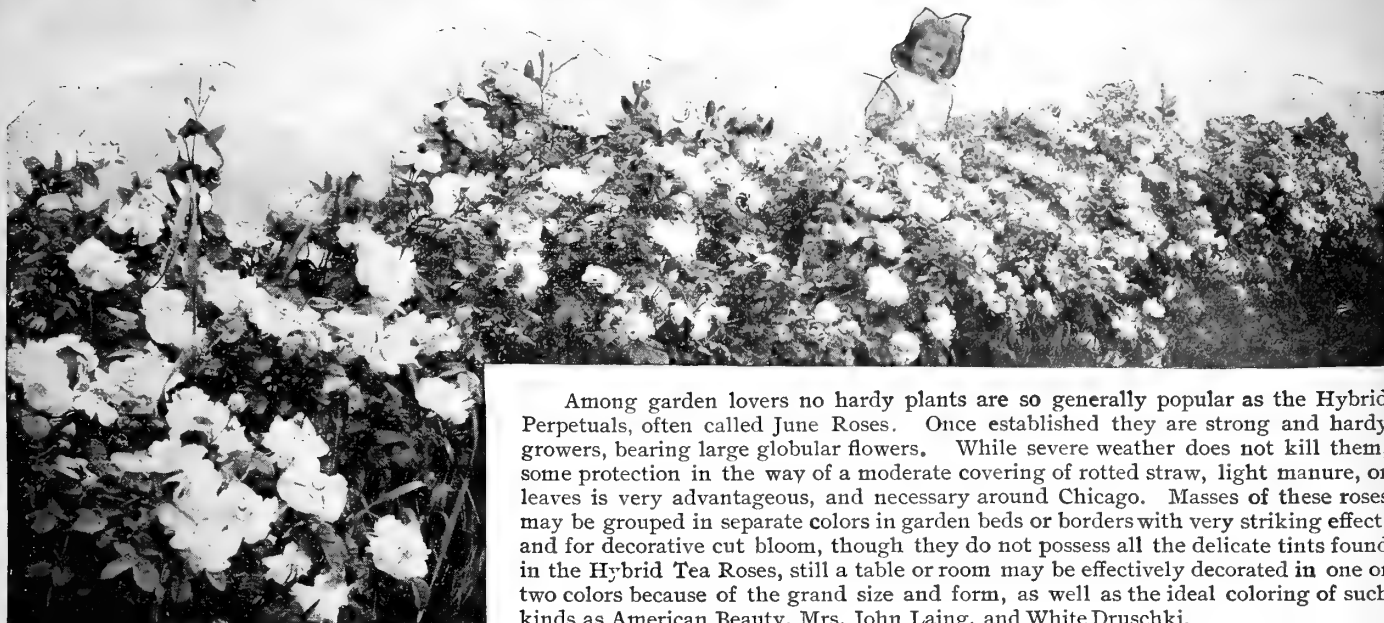
**Rubrifolia.** (Red-Leaved.) Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, among a mass of other shrubs or planted by itself. 2-year, each, 35c; 3 for \$1.00, (exp.)

**Setigera.** (Illinois Rose.) Small single pink flowers and extra fine foliage. Called the bramble-leaved rose. 3-year, each 40c; 3 for \$1.10, (exp.)



SUNBURST

# Hardy Hybrid Perpetual Roses



Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of the grand size and form, as well as the ideal coloring of such kinds as American Beauty, Mrs. John Laing, and White Druschki.

**AMERICAN BEAUTY.** This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson. Prices, strong 2½-in. pot plants, each, 15c., 3 for 40c., doz., \$1.50, prepaid; 3½-in. pot plants, each 25c., 3 for 65c., doz., \$2.50 (exp.).

**ANNA DE DIESBACH.** Very showy and large pointed buds, a beautiful shade of carmine. A strong grower.

**BARONESS ROTHSCHILD.** Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

**FRAU KARL DRUSCHKI.** (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

**GEN. JACQUEMINOT.** Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

**MABEL MORRISON.** An attractive rose with pure white, perfectly formed flowers of large size.

**MAGNA CHARTA.** Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and commonly planted.

**MRS. JOHN LAING.** A grand, useful rose. Large beautiful pink blooms borne on long sturdy stems; the gem of the lot.

**PAUL NEYRON.** An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

**PRINCE C. DE ROHAN.** (The Black Rose). Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

**ULRICH BRUNNER.** Cherry crimson, large fine form, a good garden and exhibition rose very strong grower and hardy.

**PRICE.** Extra strong, dormant, 2-year-old field-grown plants, supplied up to May 1, each 30c., 3 for 85c., doz. \$3.00, per 100 \$22.00. (By express).

**Potted Plants.** After May 1. Each, 50c; 3 for \$1.35; per doz., \$5.00 (By express).

## TREE OR STANDARD ROSES. (Double Budded.)

**HYBRID PERPETUAL varieties.** Our selection of the best in the following colors:

PINK	RED	WHITE
Price each, \$1.00; 3 for \$2.75; per doz., \$10.00.		

## VAUGHAN'S UNRIVALLED COLLECTION OF 10 BEST HARDY GARDEN ROSES

For description see general list of Hybrid Perpetual Roses above:

American Beauty. Deep pink.	Baroness Rothschild. Pink.	Gen. Jacqueminot. Crimson.	Mrs. John Laing. Bright pink.
Anna de Diesbach. Bright rose.	Frau Karl Druschki. White.	Magna Charta. Deep pink.	Paul Neyron. Rose.
Prince C. de Rohan. Crimson.		Ulrich Brunner. Cherry red.	

**PRICE.** One each of 10 above named kinds, \$2.50; or 3 of each of above named kinds, \$6.50.

## VAUGHAN'S "BARGAIN" COLLECTIONS OF ROSES

No. 131. Strong 2-year old dormant plants, field grown. (Our selection). Per doz. \$2.75 prepaid; \$2.50 (exp.); 100 for \$18.00 (exp.) Ready after May 20th, 1917.

No. 131A	10 plants	2½ inch pots	10 varieties	for \$0.75 postpaid
No. 131B	25 plants	2½ inch pots	15 varieties	for 1.50 by express
No. 131C	10 plants	3½ inch pots	10 varieties	for 2.00 by express
No. 131D	25 plants	3½ inch pots	15 varieties	for 4.25 by express

## SPECIAL ROSE COLLECTIONS

We give the names and colors of the varieties in these collections, but late in the season, when some stocks are running short, we reserve the right to substitute, giving the next best in resemblance, unless customers direct otherwise.

### THE "GLENCOE" COLLECTION OF 10 HARDY ROSES

Capt. Christy. Flesh.	Gruss an Teplitz. Brilliant red.	Gen. McArthur. Bright crimson.
Caroline Testout. Satin rose.	Jonkheer J. L. Mock. Fiery red.	Lady Hillingdon. Golden yellow.
La France. Light pink.	J. B. Clark. Scarlet.	Mrs. Aaron Ward. Orange yellow.
Frau Karl Druschki. Pure white.		

Price, 2-year-old field grown plants, one each of above kinds, \$3.00. 2 of each \$5.50, (exp.)

### THE "LAKE FOREST" COLLECTION OF 15 HARDY ROSES

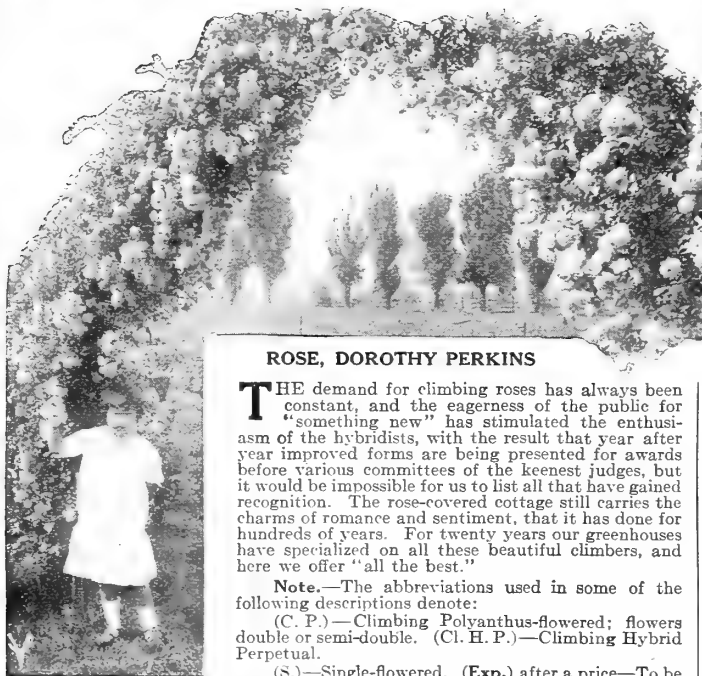
Cynthia Forde. Fine pink.	Maman Cochet. White.	Rhea Reid. Crimson-scarlet.
Gruss an Teplitz. Brilliant red.	Maman Cochet. Pink.	Richmond. Red.
Jonkheer Mock. Rose and silvery pink.	My Maryland. Pink.	Sunburst. Coppery yellow.
Kaiserin Aug. Victoria. White.	Mrs. Aaron Ward. Orange.	White Killarney. Pure white.
Killarney. Pink.	Pollaertrose. 'La France' pink.	W. R. Smith. Creamy white.

**Price:** The collection from 2½ in. pots, \$1.50, prepaid; 3½ in. pots, \$3.00, (exp.)



MRS. JOHN LAING

# Climbing Roses



## ROSE, DOROTHY PERKINS

**T**HE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

**Note.**—The abbreviations used in some of the following descriptions denote:

(C. P.)—Climbing Polyanthus-flowered; flowers double or semi-double. (Cl. H. P.)—Climbing Hybrid Perpetual.

(S.)—Single-flowered. (Exp.) after a price—To be sent by express.

Where the price for each is—

\$0.35, we supply	3 for \$1.00	per dozen, \$3.50
.40, we supply	3 for 1.10	per dozen, 4.00
.50, we supply	3 for 1.40	per dozen, 5.00
.75, we supply	3 for 2.15	per dozen, 8.00

**AMERICAN PILLAR** (S.). A climber of vigorous habit. The enormous single flowers, sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of rose pink. Broad, glossy, deep green foliage. In the fall the flowers are followed by clusters of red berries. 2-year, each 50c (exp.)

**Baltimore Belle** (C. P.). Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. 2-year, each 35c (exp.)

**CLIMBING AMERICAN BEAUTY** (Cl. H. P.). A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant. 2-year, each 50c (exp.)

**Climbing Mme. Cecile Brunner** (Cl. Tea). A rose of exceptional merit. The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose, and have a fine stock to offer. 2½-in. pots, each 20c, prepaid; 3½-in. pots, each 35c (exp.)

**Climbing Clothilde Soupert** (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 2½-in. pots, each 20c, (prepaid); 3½-in. pots, each 30c (exp.)

**CRIMSON RAMBLER** (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. 2-year old, each 50c; strong 3-year, each 75c; extra heavy (splendid plants), each \$1.00; (all exp.)

**Delight** (C. P.). A fine climbing rose of recent introduction, having large trusses or corymbs of bright carmine flowers, toning off to pure white at the bases of the petals, which with the central yellow cluster of anthers, makes a very pleasing contrast. Very vigorous, and a profuse bloomer. 2-year, each 50c; 3-year, each 75c (exp.)

**DESIRE BERGERA** (Hyb. Wichuriana). A new and very vigorous climbing rose. The flowers, which are of medium size, are double, and produced in clusters of from two to six blooms. The color is coppery rose outside with a clear orange red reverse. Quite a new shade among climbing roses. 2-year, each 50c; 3-year, each 75c (exp.)

**DOROTHY PERKINS** (C. P.). The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. 2-year, each 50c; strong 3-year, each 75c (exp.)

**EXCELSA** (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. 2-year, each 50c; 3-year, 75c (exp.)

**Flower of Fairfield** (C. P.). Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 2-year, each 50c; strong 3-year, 75c (exp.)

**HIAWATHA** (S.). The petals are deep crimson, shading to a pure white at the base, forming as it were, a large white central disc, encircled by a crimson ring. The plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and is undoubtedly one of the prettiest of the single roses. 2-year, each 50c (exp.)

**LADY GAY** (C. P.). The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb; vigorous grower and perfectly hardy. 2-year, each 50c; strong 3-year, each 75c (exp.)

**Marie Jeanne** (C. P.). An exquisite white, sometimes shaded salmon. The flowers are large, 40 to 50 being enumerated in one truss. Healthy deep green foliage, and a vigorous grower. 2-year, each 50c; doz. \$5.00.

**Marechal Niel** (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a viney or pillars in a greenhouse this is a magnificent rose. 2½-in. pots, each 20c, prepaid; 3½-in. pots, each 50c; 5-in. pots, each 75c (exp.)

**Prairie Queen** (C. P.). Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong, 2-year, each 35c (exp.)

**South Orange Perfection.** (Wichuriana.) Flowers blush pink, fully double, profuse bloomer. 2-year, each 35c (exp.)

**TAUSENDSCHON** (C. P.). This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine. 2-year, each 50c; strong 3-year, each 75c (exp.)

**Universal Favorite** (Wichuriana.) Blush white, double, one of the Memorial set. Foliage beautiful glossy green; hardy. Strong 2-year, each 35c (exp.)

**WHITE DOROTHY** (C. P.). This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white, but it is quite as hardy and vigorous. It has now become a universal favorite. 2-year, each 50c; strong 3-year, each 75c; extra heavy, each \$1.00 (exp.)

**Wichuriana.** (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year, each 35c (exp.)

## Rambler Collection No. 132

One 2-year plant of American Pillar, Excelsa, Lady Gay and White Dorothy for \$1.60 (Exp.)

## Tree or Standard Climbing Roses

### Dorothy Perkins, Flower of Fairfield, Tausendschon

Large bushy heads, on 3-ft. stems, 2-years grafted.

Each \$1.00; 3 for \$2.75; per doz. \$10.00.



TAUSENDSCHON



# Polyanthus Roses

## Including Baby Ramblers

These are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting.

It has been our great good fortune to be in the lead in introducing Baby Ramblers to the American public. Years ago we first offered the Crimson Baby Rambler and recently Erna Teschendorff. What a wonderful success these have been every one knows. Other recent introductions of this class will be found in the following list.

**BABY DOLL.** An entirely new color and very startling in its brilliancy. A golden yellow tipped with clear bright cerise. The foliage long and sharply pointed a deep glossy green. The habit is similar to Cecile Brunner. Dwarf grower, a splendid bedder. Can be used in borders, etc. 2½-in. pots, each 15c; 3 for 40c; doz. \$1.50. 3½-in. pots, each 30c; 3 for 80c; doz. \$3.00 (exp.)

**BABY TAUSENDSCHON.** An exact counterpart of the grand climber, "Tausendschon," except in habit of growth. The plants are sturdy and bear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Baby" undoubtedly has a great future. 2 year dormant, each 50c; doz. \$5.00.

**BORDURE.** Very dwarf plant, attaining a height of no more than one foot, with thick set growth, covered all season with a multitude of flowers. Flowers one to two inches in diameter, double, perfectly formed; pure carmine, buds bright carmine. The flowers do not fade in hot sun. 2½-in. pots, each 20c; 3 for 55c; doz. \$2.00. 3½-in. pots, each 35c; 3 for \$1.00; doz. \$3.50.

**CECILE BRUNNER.** Here is the ideal cut-flower rose for corsage bouquets and table bowls. To the growing of these beautiful buds one of the largest establishments in California devotes many greenhouses, and in the north section of Chicago many "Cecile Brunners" are being planted for cut-flowers to be sent all over the United States. The delicate buds are of perfect form and color, which at first is rose pink, shading to a deep salmon pink, and showing a rich orange center, toning to a pale flesh color when fully opened. It is a healthy grower beginning to bloom in early June, and continuing until approach of frost. 2 yr. dormant, each 35c; 2½-in. pots, each 15c; 3 for 40c; doz., \$1.50 prepaid; 4-in. each, 30c; 3 for 80c; doz., \$3.00 (exp.)

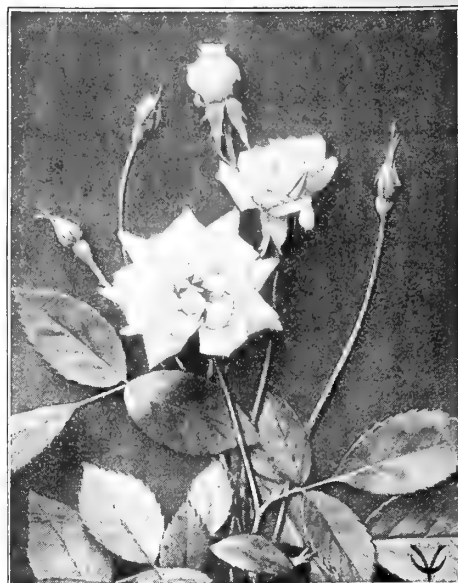
**CLOTHIENDE SOUPERT.** A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers, always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care. 2½-in. pots, each 15c; 3 for 40c; doz., \$1.50, prepaid; 3½-in. pots, each 30c; 3 for 80c; doz., \$3.00 (exp.)

**CRIMSON BABY RAMBLER.** Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather. 4-inch pots each 35c; 2-year dormant each 35c; doz. \$3.50; per 100, \$25.00; 3-year, each 40c; doz. \$4.00 (Exp.)

**ELLEN POULSEN.** Bright cherry rose, very free bloomer, not so double as Dorothy Perkins but larger. 2-year dormant, each, 50c; doz. \$5.00.

**ERNA TESCHENDORFF.** The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. 2-year dormant, each 40c; 3 for \$1.10; doz., \$4.00.

**GEORGE ELGER.** A lovely little golden-yellow Polyantha Rose, with a good mixture of Tea blood. Like all of its class, it is free in growth and bloom, with small, glossy foliage produced in profusion. The dainty little pointed yellow buds open into pretty little symmetrical roses. Will prove a very popular corsage variety; is grown in quantity now for this purpose. 2½-in. pots, each 15c; 3 for 40c; doz. \$1.50. 3½-in. pots, each 30c; 3 for 80c; doz. \$3.00.



CECILE BRUNNER

**JESSIE.** This is a charming variety constantly in bloom from June until frost appears. The height outside does not exceed 2½ feet. The foliage is bright, glossy green and wonderfully free from mildew. The flowers are of a bright cherry crimson color, which does not develop the objectionable purple or magenta tints. 2-year dormant, each 35c; 3-year 40c.

**MADAME JULES GOUCHAULT.** A superb variety with wood and foliage clear green. Blooms in large erect panicles of from 25 to 30 flowers, keeping very long. Buds bright vermilion red, tinted orange, turning to bright pink, and clear pink at the full bloom. Will be much appreciated for masses. 2-year dormant, each, 50c; doz. \$5.00.

**MRS. CUTBUSH.** Deep clear pink, freely produced in panicles, on strong clear wood, fine growth and habit. 2-year dormant, each, 50c; doz. \$5.00 (exp.)

**ORLEANS.** Color bright red and pink, centers lightly shaded white. Foliage bright green. This is a rose of great merit and will undoubtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant, each 35c; 3 for \$1.00; doz., \$3.50. (exp.)

**PHYLLIS.** This beautiful Pink Baby Rambler is very popular. It is a beautiful carmine pink color. Flowers are produced in continuous succession of large clusters. A most desirable variety. 2-yr. dormant, each 35c; 3 for \$1.00; doz. \$3.50.

**TRIOMPHE ORLEANAISE.** Flowers large in erect panicles of a splendid bright deep cherry red, color deepening constantly without turning violet when old. Foliage of a glistening green. 2-yr. dormant, each, 50c; doz. \$5.00.

**VAUGHAN'S WHITE BABY RAMBLER.** The flowers are borne in clusters of 50 to 75 individual flowers, one inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy. 2½ in. pots, each, 15c; 3 for 40c; doz. \$1.50; 3½ in. pots, each, 30c; 3 for 80c; doz. \$3.00.

## Rugosa Roses

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire bushes having the appearance of flowering shrubs of exquisite shape and beauty. During winter the red seed-pods or 'berries' are very handsome.

**ALBA.** Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant, each 30c; doz. \$3.00; per 100 \$20.00 (exp.)

**BLANCHE DOUBLE DE COUBERT.** A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming and almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

**COORAD F. MEYER.** Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. Extra fine.

**MADAME G. BRUANT.** Blossoms in clusters. Semi-double pure white flowers. The ideal cemetery rose.

**RUBRA.** (True Rugosa Type.) Beautiful single red flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant, each 30c; doz. \$3.00; per 100 \$20.00, (exp.)

Price, except where noted, each 35c; 3 for \$1.00; 12 for \$3.50, (exp.)

## Moss Roses

These old-fashioned favorites, require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more beautiful than a Moss Rose in bud. All are of the easiest culture.

**Double Pink, Double Red, Double White.** 2-yr. dormant stock. Extra strong plants, each 35c; 3 for \$1.00; doz., \$3.50 (exp.)

April 1, 1916.

The H. P. and H. T. Roses arrived here today in A1 condition. They are certainly very fine stock. I must congratulate you on the quality, both the roses and carnations were of the best quality, in fact, I have never seen better.

J. H. FRANCIS, (Gardener to Louis F. Swift, Esq.) Lake Forest, Ill.



BABY DOLL

# CLIMBING VINES

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wistaria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckles and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. On the next two pages are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. American Ivy or even Grape vines make a good covering.

**Actinidia Polygama.** (The Silver Vine.) A desirable Japanese climber of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3 yr. plants, each 50c (exp.).

**Akebia Vine.** A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 yr. 35c (exp.).

**Ampelopsis Dumetorum Laciniata.** A vigorous sort, leaves digitate and deeply cut. Plants, 1 yr., each 25c; 2 yr., each 35c; 3 yr., each 50c (exp.).

**Ampelopsis Engelmanni.** (Engleman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 yr. 25c; 3 yr. 35c; 4 yr., 50c each (exp.).

**Ampelopsis Lowii.** A beautiful Ampelopsis with small palmate leaves, and a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots, each 50c, postpaid.

**Ampelopsis Quinquefolia.** (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 yr. each 25c; doz. \$2.50. Extra strong, 3 yr., each 35c; 4 yr., each 50c (exp.).

## THE JAPAN OR BOSTON IVY *Ampelopsis Veitchii*

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

### PRICES

By Mail Postpaid				By Express, Not Prepaid			
Each	3 for	Dozen		Each	3 for	Dozen	100
1 yr. \$0.20	\$0.50	\$1.50	1 yr. \$0.15	\$0.40	\$1.25	\$ 8.00	
2 yr. .30	.80	3.00	2 yr. .25	.65	2.25	16.00	
3 yr. .40	1.10	4.00	3 yr. .35	1.00	3.75	20.00	

3 yr. (extra strong), each 50c; 3 for \$1.25; doz. \$4.50; 100 \$30.00 (by exp.)

**Pot Crown.** For late planting (ready June 1). Each 50c; doz. \$5.00 (exp.)

**Apios Tuberosa.** A hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. Each 5c; doz. 50c, postpaid.

**Aristolochia Sipho.** (Dutchman's Pipe). Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr. 35c; 3 yr. 50c each (exp.)

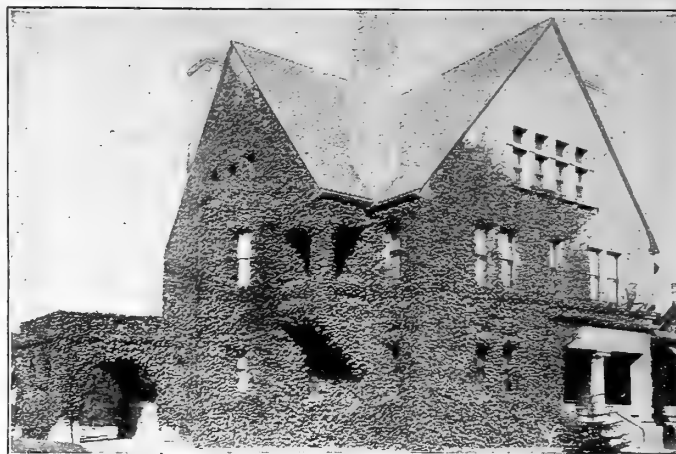
**Bignonia Radicans.** (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr. each 20c; doz. \$2.00; 3 yr., each 35c; doz. \$3.50.

**Celastrus Articulatus.** (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 yr., each 25c; doz. \$2.50; 3 yr., each 35c; doz. \$3.50 (exp.).

**Celastrus Scandens.** (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, each 25c; doz. \$2.50; 100 \$18.00; 3 yr., each 35c; doz. \$3.50. 4 yr., each 50c; doz. \$5.00 (exp.).



CLEMATIS JACKMANII



AMPELOPSIS VEITCHII (Boston Ivy)

**Cinnamon Vine.** A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots, each 5c; doz. 50c; postpaid. Extra large roots, each 10c; doz. \$1.00, postpaid.

**Euonymus Radicans.** An evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2 yr., each 35c; per doz. \$3.50 (exp.); 3 yr., 50c.

## CLEMATIS

### JAPANESE CLEMATIS (*Clematis Paniculata*)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines. (See illustration next page.)

PRICES. By Mail Postpaid.				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
\$0.30	\$0.80	\$3.00	2 yr. \$2 yr.	\$0.25	\$0.65	\$2.50	\$15.00
.50	1.40	5.00	3 yr.	.40	1.10	4.00	25.00

### LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

**Azure Star.** (Lasurstern.) A new variety with large blue flowers. Strong grower and very desirable.

**Beauty of Worcester.** (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

**Duchess of Edinburgh.** One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant

**Henryii.** (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter and pure white. Very hardy.

**Jackmanii.** This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

**Madame Baron Veillard.** Light rose, lilac shadings. Much admired.

**Sieboldi.** Flowers of large size. A beautiful light blue in color. Strong grower, One of the best.

**Ville de Lyon.** Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Prices of above, strong 2 yr., each 50c; 3 for \$1.35; doz. \$5.00.

Extra strong, 3 yr., 75c; 3 for \$2.10; doz. \$8.00 (exp.)

**SPECIAL OFFER 134**—One 3 year old root, each, Jackmanii, Henryii and Ville de Lyon, three colors in all (red, white and blue) for \$2.00.

### VARIOUS SPECIES OF CLEMATIS

**Coccinea.** Bell-shaped flowers, bright coral red; blooms from June until frost. Each 25c; doz. \$2.50 (exp.)

#### Coccinea Hybrids

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous robust growth, and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

**Countess of Onslow.** A new hybrid of C. Coccinea, having large, somewhat bell-shaped flowers of bright violet-blue, with a broad scarlet band running through each petal. Very free and quite hardy.

**Duchess of Albany.** Another beautiful hybrid of C. Coccinea of a beautiful lively pink, which deepens towards the center of each petal and lighter on the margins. A vigorous grower and remarkable free bloomer.

**Duchess of York.** A delicate and pleasing shade of pale pink.

**Grace Darling.** A very pretty, bright, rosy carmine.

Price, any of the above, strong plants, each 75c.

## Hardy Vines

### CLEMATIS—Continued

**Crispa.** Fine, deep blue, with a white border and deliciously fragrant. Each 20c; per doz. \$2.00, (exp.)

**Integrifolia Durandi.** Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. Each 50c, (exp.)

**Montana Rubens.** This beautiful hardy new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until frost. Strong plants, each 75c; per doz., \$7.50, (exp.)

**Viticella Kermesina.** Clear red flowers of medium size, freely produced in graceful clusters throughout summer and autumn. Very vigorous. Each, 50c.

### HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

**Aurea Reticulata.** (Japan Golden Leaved). Variegated yellow and green foliage, flowers creamy white.

**Belgica.** (Sweet Scented Monthly). One of the most satisfactory Honeysuckles, producing continuously large

### CLEMATIS PANICULATA

trusses of red and yellow fragrant flowers.

**Fuchsioidea.** (Scarlet Trumpet or Sempervirens). Fuchsia-like scarlet flowers, very free and beautiful.

**Heckrotti.** (New Sweet Scented). Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

**Japanica Flexuosa.** (Chinese Twining). Remarkable on account of retaining its beautiful glossy foliage almost all winter and covered with sweet, yellowish-white flowers nearly all summer.

**Japanica Halleana.** (Hall's Japanese). Almost evergreen sort, flowers pure white, changing to yellow. July to Nov.

#### Prices of Above

Strong 2-yr., each 35c; 3 for \$1.00; doz. \$3.50 (exp.)  
Heavy 3-yr., each 50c; 3 for \$1.35; doz. \$5.00 (exp.)

### HOP VINE (Humulus Lupulus)

A useful climber for covering unsightly places.  
Price, each, 25c; doz. \$2.50, (exp.)

### IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, postpaid, each 15c; doz., \$1.50. Extra size roots, each, 25c; doz., \$2.50 (exp.)

### KUDZU VINE (Pueraria Thunbergiana)

#### or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, each 15c; 3 for 40c, postpaid. Larger roots, each 25c; 3 for 65c (exp.)

### MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-yr., each 25c; doz. \$2.50; 3-yr., each 35c; doz. \$3.50; 4-yr., each 50c; doz. \$5.00 (exp.)

### VITIS

**Wild Grape Vine.** We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc.  
Price, each, 25c; 3 for 70c; doz. \$2.50 (exp.)

**Vitis Heterophylla.** Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut.  
Price, 2-yr., each 50c; 3-yr., each 75c (exp.)

### WISTARIA

**Sinensis.** Long clusters of purple flowers, 2-yr. old plants, each 50c (exp.)

**Alba.** Flowers white, in drooping racemes. Large plants, 3-yr., 75c (exp.)

**Magnifica.** Clusters of purple-lilac flowers.

Price, 2-yr., 35c; 3-yr., 50c; 4-yr., 75c (exp.)

## Summer Vines

**CARDINAL CLIMBER.** A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red flowering from mid-summer until frost. The foliage is deeply lacinated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet.  
Price, strong plants, each 20c; doz. \$2.00.

**COBAEA Scandens.** (Cathedral Bells). Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 3-in. pots, each 20c; doz. \$2.00; 100, \$15.00. 4-in. pots, each 30c; doz. \$3.00.

**IVY, English.** Beautiful evergreen vine. For hanging baskets, window-boxes and vases. Each 15c; doz. \$1.25; 100, \$8.00. 4 in. pots, each 25c; doz. \$2.50; 100, \$18.00.

**IVY, German (Parlor Ivy).** 2 in. pots, each 15c; doz. \$1.25; 100, \$8.00. 4 in. pots, each 25c; doz. \$2.50; 100, \$18.00.

**MOONFLOWER.** (Ipomoea Learii). Blue. A beautiful satiny blue. Each 15c; doz. \$1.50; 100, \$10.00. 3 in. pots, each 20c; doz. \$2.00; 100, \$15.00.

**White.** Large flowers. Small plants. Each 15c; doz. \$1.50; 100, \$10.00. Larger plants, each 25c; doz. \$2.50. 100, \$18.00.

**MEXICAN MORNING GLORY.** (Ipomoea Paniculata). A wonderfully interesting climber; grows 30 ft. or more in a season, flowers in clusters of 4 or 5 from each leaf axil, pinkish lavender color. Opens in early morning and about 3 p. m. each day a new flower opens, several clusters at a time often showing 25 flowers in bloom. Winter roots in cellar like Dahlias, they increase yearly, sometimes as large as a water pail. It is scarce and the wonder of any neighborhood where grown. Price, each, 25c; doz., \$2.50.

**MADEIRA VINE.** A popular climber. Strong tubers. Each 5c; doz. 40c; 100, \$2.50. Pot plants, each, 20c; doz., \$2.00; 100, \$15.00.

**NASTURTIUM, DOUBLE FLOWERED.** Darmstadt. Flowers double, yellow, sweet scented, fine 2½-in. pot plants, each 15c; 3 for 40c; per doz. \$1.50; 100, \$10.00.

**VINCA Major Variegata.** For basket and vase. 2½ in. pots, each 15c; doz. \$1.50; 100, \$10.00. 3 in. pots, each 20c; doz. \$2.00; 100, \$15.00. 4 in. pots, each 25c; doz. \$2.50; 100, \$18.00. 5 in. pots, each 35c; doz. \$3.50.

**Minor (Grave Myrtle).** Evergreen. Each 15c; doz. \$1.50; 100, \$10.00.

**WEeping LANTANA.** A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. Each 15c; 3 for 40c; doz. \$1.25; 100, \$8.00.

### VAUGHAN'S "SHADY SIDE" 135 A

#### CLIMBER COLLECTION FOR 1917

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

Clematis Jackmanii.  
Honeysuckle Heckrotti.  
Aristolochia (Dutchman's Pipe).  
Akebia Vine.  
Celastrus (Bitter Sweet).  
Boston Ivy (Ampelopsis Veitchii).

1 each: All strong 2 yr. plants for \$1.50 (exp.)

### CLIMBING ROSES

When selecting Flowering Vines, try and include a Climbing Rose or two. A complete collection of the best will be found on page 132.

### LONICERA HALLEANA

### VAUGHAN'S "SUNNY SIDE" 135 B

#### CLIMBER COLLECTION FOR 1917

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper).  
Matrimony Vine.  
Clematis (Japanese Clematis).  
Ampelopsis (Virginia Creeper).  
Honeysuckle, Scarlet Trumpet.  
Wistaria Magnifica.

1 each: All strong 2 yr. plants for \$1.25 (exp.)

### Special Purpose Climbers

**Climbers for Shady Places,** Aristolochia Siphon, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

**Climbers for Hot Sunny Situation,** Bignonia Radicans, Clematis Paniculata, Honeysuckles.

**Climbers for North Aspect,** Clematis, all large flowering types such as C. Jackmanii, Henryii, etc., Ampelopsis Veitchii (Boston Ivy).

**Climbers for Eastern Aspect,** Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

### WISTARIA



# Ornamental <sup>N</sup> Flowering Shrubs

## BEFORE PLANTING



Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

**SHIPPING DIRECTIONS.** Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

## ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
20c.....	\$0.50.....	\$2.00	60c.....	\$1.70.....	\$6.60
25c.....	.65.....	2.50	65c.....	1.85.....	7.20
30c.....	.80.....	3.00	70c.....	2.00.....	7.50
35c.....	1.00.....	3.50	75c.....	2.15.....	8.00
40c.....	1.10.....	4.00	80c.....	2.25.....	8.50
45c.....	1.25.....	4.50	85c.....	2.40.....	9.00
50c.....	1.40.....	5.00	90c.....	2.50.....	9.50
			\$1.00.....	2.90.....	11.00

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

**IMPORTANT.** Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

## ACER (Maple)

**Atro-purpureum (Japanese Purple-leaved).** A beautiful shrub or small tree with dark purple leaves, exquisite when contrasted with shrubs of a lighter hue. 2 ft. balled and burlapped, each, \$1.25. For other Maples see page 144.

## ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring. Double Pink or Double White, 2 to 3 ft., 60c; 3 to 4 ft., 85c.

## ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.

Double White, Pink or Red, 2 to 3 ft., 35c; 3 to 4 ft., 45c.

Double Pink or Red, tree form, 4 to 5 ft., 75c.

Single Blue, 2 to 3 ft., 35c; 3 to 4 ft., 45c.

## AMELANCHIER (June-Berry or Shad-Bush)

**Vulgaris.** This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., 40c.

## AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

**Canescens (Lead Plant).** A small native shrub bearing light purple flowers in June. 2-year bushy, 40c; 3-year bushy, 50c.

**Fruticosa (False Indigo).** This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, 35c; 3-year, 50c.

## ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Commence spring planting as soon as ground is soft enough to dig the holes.

THE planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions for grouping, for all sites and purposes.

Our landscape department is at the disposal of all who contemplate extensive changes, or laying out new grounds. Free advice is given, and plans submitted for a nominal fee.

**Spring Planting** may be commenced as soon as frost is out of the ground. The earlier the better.

**A** denotes shrubs which attain 9 to 12 feet in height at maturity.

**B** denotes shrubs which attain 5 to 8 feet in height at maturity.

**C** denotes shrubs which attain 1 to 4 feet in height at maturity.

**Our Shrubs are transplanted** every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

**Specimens.** This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

## AFTER PLANTING



## ARALIA—Continued

**Mandshuricus.** A very handsome shrub of erect habit and very large, much divided spiny leaves. 3 to 4 ft., 60c.

**Maximowiczii (A.)** A remarkable small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems, 3 to 4 ft., 60c.

**Pentaphylla (B.)** A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five lobed. 2 to 3 ft., extra bushy, 35c; 3 to 4 ft., 50c.

**Spinosa (Hercules' Club).** A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c; 6 ft. Specimens, \$1.00 to \$1.50.

## AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, 85c.

## BERBERIS (Barberry)

Hardy shrubs with thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.

**Illicifolia (Holly-leaved Barberry).** (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., 75c; 2 to 2½ ft., \$1.25. These prices are for stock with ball of earth and burlapped.

**Japonica.** In a general way this resembles the Thunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 2 to 3 ft., 35c; per 100, \$28.00; 3 to 4 ft., 50c; per 100 \$30.00.

**Vulgaris (European Barberry).** (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., 25c; per 100, \$20.00; 2 to 3 ft., bushy, 40c; per 100, \$30.00; 3 to 4 ft., bushy, 50c.

**Vulgaris Purpurea (Purple-leaved Barberry).** (B.) Especially remarkable for purple foliage and fruit. When fully grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy. 2 to 3 ft., each 45c; per 100, \$35.00; 3 to 4 ft., bushy, each 60c.

## BERBERIS—Continued

**Thunbergii.** (Japanese Barberry.) (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year	10 to 12 in.	(1000, \$25.00) . . . . \$0.15	\$0.40	\$1.25	
2-year	15 to 18 in.	(1000, \$40.00) . . . . .20	.50	2.00	\$10.00
3-year	18 to 24 in.	. . . . .30	.80	3.00	22.00
4-year, bushy	. . . . .40	1.10	4.00	30.00	
5-year Specimens	. . . . .1.00	2.90	11.00	75.00	

## BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Each, 15c; doz., \$1.50. Stronger plants, each, 25c; doz., \$2.50. (See illustration on next page).

## CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 1½ to 2 ft., extra bushy, 40c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 75c.

## CEANOTHUS AMERICANUS (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft., bushy, 40c; 1½-2 ft., 60c.



## BECHTEL'S DOUBLE-FLOWERING CRAB

## CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft. 45c; 2 to 3 ft., 60c.

## CERASUS (Flowering Cherry) (A)

**Padus** (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shrub. 3 to 4 ft., 50c; 4 to 5 ft., 75c.

**Serotina** (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 3 to 4 ft., 50c; 4 to 5 ft., 75c.

**Virginica** (Choke Cherry). A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

## CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

## CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, 50c; 2 to 3 ft., bushy, 60c; 3 to 4 ft., 75c.

## CORCHORUS (Kerria) (B)

### (The Globe Flower or Japanese Rose)

**Japonica.** A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, 50c.

**Japonica Argentea Var. (B)** A pretty dwarf variety with small, green foliage edged white, slender grower. A valuable dwarf shrub. 1½ ft., bushy, 50c.

**Japonica Flore Pleno.** Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, 50c.



## BERBERIS THUBERGII

## CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

**Alternifolia.** (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., 50c; 3 to 4 ft., 75c.

**Mas.** (Cornelian Cherry) (B) One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 2 to 3 ft., bushy, 50c; 3 to 4 ft., bushy, 75c.

**Sanguinea.** (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 60c; 5 ft. Specimens, extra bushy, \$1.00; per doz., \$10.00.

**Sericea.** (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 2 to 3 ft., bushy, 40c; 3 to 4 ft., 60c.

**Sibirica.** (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

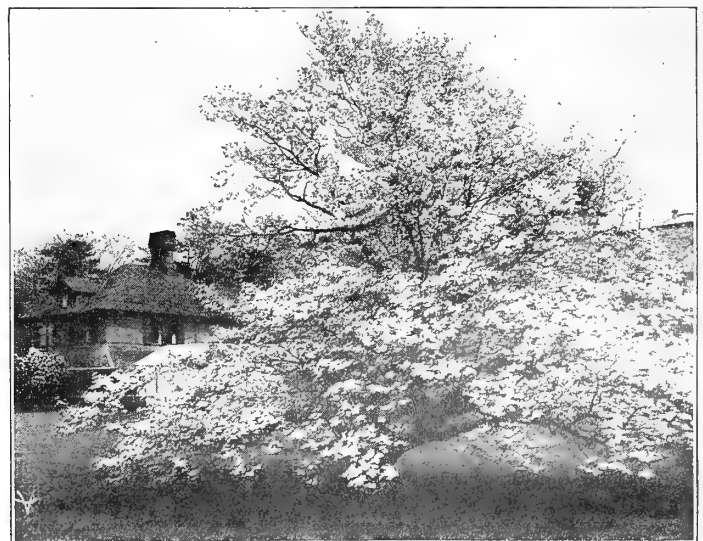
Height	Each	Three	Doz.	100
1½-2 ft.	\$0.30	\$0.80	\$3.00	\$20.00
2-3 ft. extra bushy	.40	1.10	4.20	30.00
3-4 ft. " "	.50	1.40	5.40	....
4-5 ft. " "	.60	1.70	6.60	45.00
Specimens 5-6 ft. " "	1.00	....	10.00	....
Seedlings, 6 to 7 ft. ....	1.00	....	10.00	....

**Stolonifera.** (Red Osier Dogwood). May. Spreading habit; dark red bark and white berries. A very hardy shrub. 2 to 3 ft., bushy, 45c; 3 to 4 ft., bushy, 60c; 4 to 5 ft., bushy, 75c.

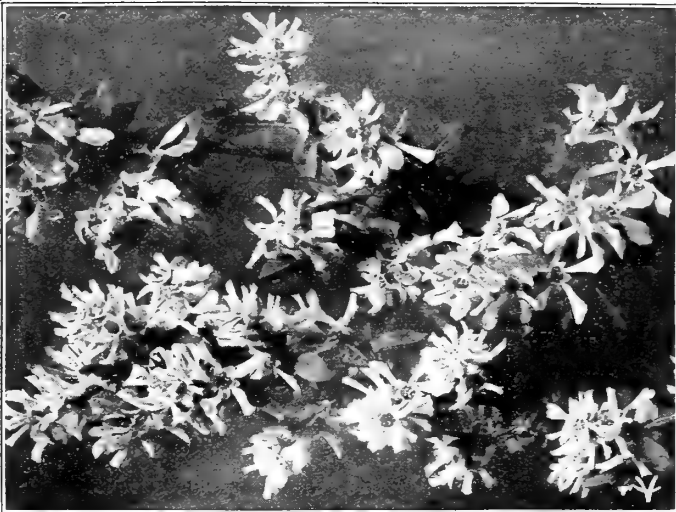
**Stolonifera Aurea.** (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., extra bushy, 75c.

## CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, \$1.00; 4 to 5 ft., extra fine, \$1.75; 5 to 6 ft., Specimens, \$3.00 to \$4.00. (See also Malus Floribunda.)



CORNUS (Dogwood)

**FORSYTHIA INTERMEDIA****CRATAEGUS (Hawthorn)**

**Crus Galli.** (Hawthorn) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 1 to 1½ ft., bushy, 50c; 2 to 3 ft., bushy, 60c; 3 to 4 ft., bushy 75c.

**CYDONIA (Pyrus)**

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

**Japonica.** (Japan Quince) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, 35c; per 100, \$25.00; 2 to 3 ft., extra bushy, 50c; per 100, \$35.00; 3 to 4 ft. bushy, 60c; per 100, \$45.00; 4 to 5 ft. Specimens, 75c.

**Cardinalis** (B.) Beautiful brilliant Cardinal red. 2 to 3 ft. bushy, 60c.

**Maulei.** A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 12 to 18 in., 50c; 1½ to 2 ft., 60c.

**Nivalis.** (Snow Pearl). A handsome tree, with its silvery foliage and masses of white blossoms in spring. 12 to 18 in., 35c; 2 to 3 ft., bushy, 50c.

**Rubra Grandiflora.** Deep crimson flowers, with very showy fruit, 2 to 3 ft., 60c; 3 to 4 ft., bushy, 75c.

**Simonii.** (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, 45c; 2 to 3 ft., 60c.

**Umbilicata.** (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 2 to 3 ft., bushy, 40c; 3 ft., bushy, 50c; 4 to 5 ft., bushy, 75c.

**DESMODIUM PENDULIFLORUM (C)**

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, 40c; 3 year, 50c.

**DEUTZIA**

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

**Gracilis.** (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 to 12 ins., extra bushy, 30c; 1½ ft. Extra bushy, 40c.

**DEUTZIA—Pride of Rochester****DEUTZIA—Continued**

**Lemoinei.** (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1½ to 2 ft., extra bushy, 35c; 3 ft. Specimens, 75c.

**Pride of Rochester.** (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 to 3 ft., 35c; 3 to 4 ft. bushy, 50c; 4 to 5 ft. Specimens, 60c.

**DIERVILLA.** See Weigelia.

**ELDER.** See Sambucus.

**DOGWOOD.** See Cornus.

**ELEAGNUS (Silver Thorn)**

**Angustifolia.** (Russian Olive) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 2 to 3 ft., 45c; 3 to 4 ft., 50c; 4 to 5 ft., 75c; 5 to 6 ft. Specimens, \$1.00.

**EUONYMUS (Strawberry or Burning Bush)**

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

**Alatus.** (Winged Burning Bush) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., extra bushy, \$1.50; 4 to 5 ft., Specimens, \$2.00; 5 to 6 ft. Specimens, \$5.00 to \$6.00; 6 to 7 ft. Specimens, \$6.00 to \$7.00.

**Europaeus.** (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c; 5 to 6 ft. Specimens, \$1.00; 6 ft. Specimens, \$1.50.

**EXOCHORDA GRANDIFLORA (Pearl Bush) (A)**

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft. bushy, 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c.

**FORSYTHIA****(Golden Bell)**

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

**Fortunei.** (Fortune's Forsythia.) (B.) A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous.

Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c.

**Intermedia.** Flowers bright yellow, glossy green foliage. 1½ to 2 ft., extra bushy, 35c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c.

**Suspensa.** (The Weeping Forsythia.) (B.) A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., 35c; 3 to 4 ft. extra bushy, 60c.

**GUELDER ROSE.** See Viburnum Sterilis.

**HAMAMELIS VIRGINICA (Witch Hazel) (B)**

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

**HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)**

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 2 to 3 ft., 40c; 3 to 4 ft., 50c.

**GLEDITSCHIA (Honey Locust) (B)**

**Triacanthos.** (Three-thorned Gleditschia.) A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges. 2 to 3 ft., 35c; 3 to 4 ft., 45c each.

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

**Selection of Shrubs for Hedges.**

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Itoha and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

**BUDDLEYA VEITCHIANA**



## HYDRANGEA

### ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than *Paniculata Grandiflora* (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, 40c; 3-yr., extra bushy, 45c; 4-yr., Specimens, 60c.

**Cinerea Sterilis.** (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, 40c; 3 year, 45c.

### HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.		Each	Three	Doz.
2-year, heavy	.35c	\$1 00	\$3 50	4-year	.60c	\$1 70	\$6 00
3-year	.45c	1 25	4 50				

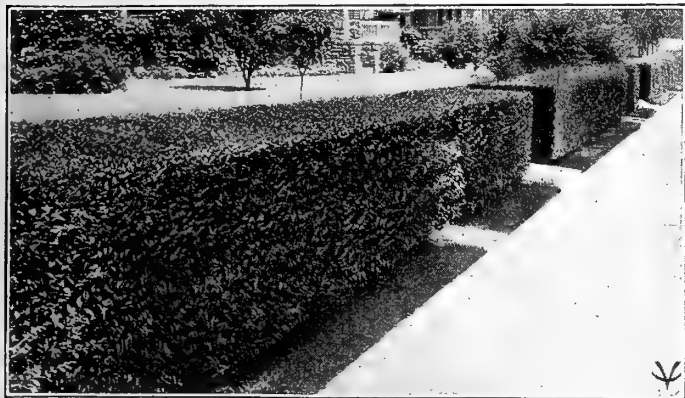
#### (Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 2½ ft. stems, 60c; 3 ft. stems, 75c.

### LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

**Ciliatum.** Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea, 12 to 18 in., extra bushy, 20c; per 100, \$12.00; 2 to 3 ft. bushy, 35c; per 100, \$20.00; 3 to 4 ft. extra bushy, 50c.



#### PRIVET HEDGE

**Ligustrum Amurense.** (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
1½ to 2 ft., bushy	\$.25	\$0.65	\$2.40	\$15.00
2 to 3 ft., bushy	.30	.80	3.00	20.00
3 to 4 ft., extra bushy	.40	1.10	4.20	25.00

**Ibota.** (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
12 to 18 in.	\$.20	\$0.50	\$1.80	\$12.00
18 to 24 in.	.25	.65	2.40	15.00
2 to 3 ft., bushy	.35	1.00	3.50	20.00
3 to 4 ft., bushy	.40	1.10	4.00	30.00
4 ft. Specimens	.75	2.15	7.00	.....

**Ovalifolium.** (Californian Privet.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. Those residing in Southern states should use it. 1½ to 2 ft., bushy, 20c; per 100, \$12.00.

**Regelianum.** (Prostrate Privet.) (B) This beautiful raceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., bushy, 35c; per 100, \$20.00.

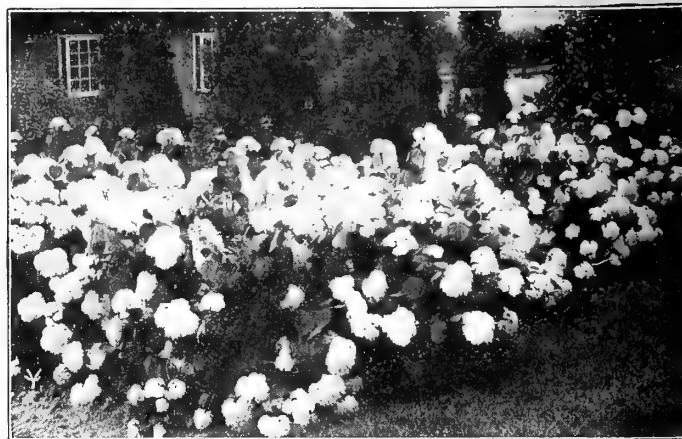
**Vulgare.** (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 in.	\$.20	\$0.50	\$1.80	\$12.00
2 to 3 ft., bushy	.35	1.00	3.60	25.00
3 to 4 ft., bushy	.40	1.10	4.20	30.00
5 ft. Specimens, ex. bushy	.50	.....	.....	.....

### LILAC (True Syringa) (B)

**Alphonse Lavalle.** A variety bearing beautiful double flowers of a rare blue color. 3 to 4 ft., 60c each.

**Bertha Dammann.** Magnificent pure white flowers. 1 to 1½ ft., 35c; 3 to 4 ft., 60c each.



### HYDRANGEA—"Snowball"

#### LILACS—Continued

**Charles X.** A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., 40c each; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c;

**Dr. Bretschneider.** Purplish buds, opening white. 2 to 3 ft., 60c.

**Emodi.** Of compact growth with beautiful, large, leathery leaves, flowers light lilac, blooms in June. 2 to 3 ft., 60c.

**Japanica.** June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 75c; 5 to 6 ft. Specimens, \$1.00.

**Josikaea.** (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., 50c.

**Mad. Lemoine.** Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., 45c; 3 to 4 ft., 60c; 4 to 5 ft. Specimens, 75c.

**Marie Legraye.** Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., 35c; 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., 75c.

**Michel Buchner.** Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., 45c; 3 to 4 ft., bushy, 60c.

**Othello.** Single, dark purplish red, large graceful panicles. 2 to 3 ft., 60c.

**Persian Purple.** Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., bushy, 45c; 3 to 4 ft., 60c.

**President Grevy.** Flowers double, large handsome blue trusses. 2 to 3 ft., 60c.

**Rothomagensis.** (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 2 to 3 ft., bushy, 60c; 3 to 4 ft., 75c.

**Rubra de Marley.** The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, 40c each; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c; 5 ft. Specimens, bushy, \$1.00.

**Souvenir de Ludwig Spaeth.** A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 2 to 3 ft., 60c; 3 to 4 ft., bushy, 75c.

**Toussaint l'Ouverture.** Single, very deep purple flowers, 2 to 3 ft., 60c.

**Vulgaris Purpurea.** (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

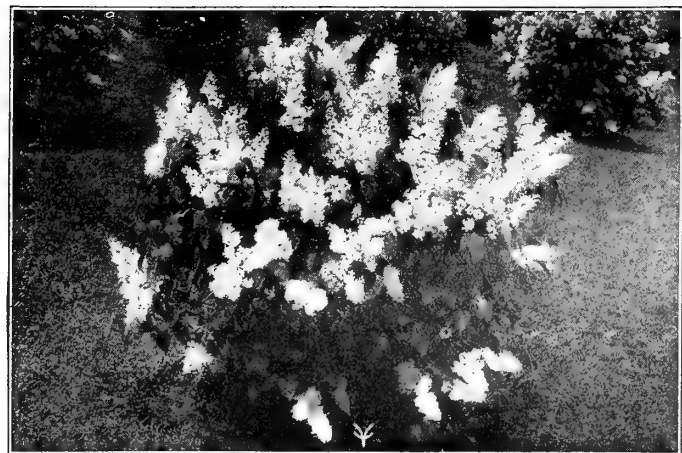
Height	Each	Three	Doz.	100
12 to 18 inches	\$.20	\$0.50	\$1.80	\$12.00
2 to 3 ft.	.35	1.00	3.60	25.00
3 to 4 ft.	.45	1.25	4.80	38.00
4 to 5 ft., extra bushy	.60	1.70	6.00	40.00

**Vulgaris Alba Grandiflora.** Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., 40c each; 3 to 4 ft., 45c; 4 to 5 ft., 60c; 5 to 6 ft., 75c; 6 ft., Specimens, \$1.00.

### LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock. Scarce.

**Charles X.** the best purple lilac; **Marie Legraye**, **President Grevy**, **Souvenir de Ludwig Spaeth.** 2 to 3 ft., \$1.25 each.



LILAC—Marie Legraye

**PHILADELPHUS GRANDIFLORUS****LINDERA BENZOIN (Spice Bush)**

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 to 3 ft., 50c.

**LONICERA (Bush Honeysuckle)**

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines." **Alberti.** A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Welladapted for rock-gardens. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

**Bella Candida.** A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., bushy, 50c.

**Morrowii.** (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c.

**Tartarica (Tartarian Honeysuckle).** A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

**Tartarica Alba** (White Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c.

**Tartarica Rosea** (Pink Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c;

**Virginalis Alba.** White flowers, resembling T. Alba. 2 to 3 ft., 40c.

**LYCIUM (Matrimony Vine)**

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over.

**Barbarum.** 2 year, extra bushy, 25c; 3 year, extra bushy, 35c; 4 year, extra bushy, 50c.

**MAGNOLIA**

Magnificent oriental shrubs, flowering early in the spring, literally sheathing their bare branches with large tulip-like blooms. Magnolias are best planted in the spring only.

**Soulangeana.** Flowers white and purple, 3 to 5 in. across, borne in May before its leaves, which are massive and glossy. Among the hardiest and finest of foreign Magnolias. 4 to 5 ft., with buds, \$4.00 each.

**MAHONIA**

**Aquifolium** (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, balled and burlapped, 75c 3 year, balled and burlapped, \$1.00.

**MALUS (Pyrus)**

**Arbutifolia** (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 3 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

**Coronaria** (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

**Floribunda** (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 3 to 4 ft., 75c; 4 to 5 ft., 85c.

**Atro-sanguinea.** Flowers crimson, produced in great profusion. A charming variety. May. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

**Spectabilis Fl. Albo Pleno.** Chinese Double White Flowered Crab. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

**Niedzwetskiana.** Handsome pinkish white flowers, grand variety. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

**Schiedeckeri** (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 4 to 5 ft., 85c; 5 to 6 ft., \$1.00.

**MATRIMONY VINE**—See Lycium.

**MORUS (Mulberry)**

**Tartarica.** (Russian) 20 to 25 ft. Hardier in the northwest than all others. 2 to 3 ft., 35c; per 100, \$20.00; 3 to 4 ft., 40c; per 100, \$25.00; 5 to 5 ft., 50c.

**PHILADELPHUS OR SYRINGA (Mock Orange)**

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

**Avalanche** (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, each, 50c; 3 ft., bushy, 75c.

**Bouquet Blanc.** Double or semi-double flowers; very floriferous. 1½ to 2 ft., bushy, 30c; 3 to 4 ft. bushy, 50c.

**Coronarius Aureus** (Golden leaved Mock Orange). Much prized for its bright effect. 1½ to 2 ft., bushy, 40c.

**Coronarius Fl. Pl.** (A). Covered with sweet-scented double white flowers in June. 2 to 3 ft., extra bushy, 35c.

**Dianthiflorus Fl. Pl.** (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft., extra bushy, 50c; 2 to 3 ft., extra bushy, 75c.

**Grandiflorus** (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., bushy, 25c; 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c; 5 to 6 ft., Specimens, bushy, \$1.00.

**Lemoinei Erectus** (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 50c.

**Manteau d'Hermine.** Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 2 ft., bushy, 75c.

**PRIVET.** See Ligustrum.

**PRUNUS (Plum)****Ornamental and Flowering Varieties.**

**BURBANK'S OTHELLO PLUM.** (Purple-leaved Plum.) Introduced by us many years ago, having purchased the first and only tree from the originator.

It is an ornamental shrub of rare beauty, the growth is vigorous and upright. The white flowers appear early in spring before the leaves and literally cover the tree. The foliage is deep crimson purple, lighter on the under side of leaves, holds well into the fall, forming a grand contrast with the lighter tints of other shrubs. It is very similar to Prunus Pissardi, but much hardier. 4 to 5 ft., \$1.00.

**Pissardi** (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 75c.

**Spinosa** (Blackthorn, Irish Shillelagh.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., extra bushy, 35c; 4 to 5 ft., extra bushy, 50c.

**Tomentosa.** (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 to 4 ft. bushy, 60c.

**Triloba** (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., 50c; 3 ft., Selected, 75c. Tree form, 3 ft., stem, each \$1.50.

**PTELEA (Hop Tree)**

**Trifoliata.** A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft., 50c; 5 to 6 ft., Specimens, 75c.

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is FREE.

**PRUNUS TRILOBA****PUSSY WILLOW (Salix Discolor)**

## RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade.

**Catharticus (A.)** A fine, robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., 40c; 4 to 5 ft., 50c; 5 to 6 ft. Specimens, 75c.

**Frangula (Alder Buckthorn.) (B.)** A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 2 to 3 ft., 35c.

## RHODOTYPOS (White Kerria)

**Kerrioides (C.)** A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy, each, 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., Specimens, 75c.

## RHUS (Sumach)

**Aromatica (Fragrant Sumach) (C.)** A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in Autumn. 2 to 2½ ft., 40c.

**Copallina (Dwarf or Shining Sumach) (D.)** Beautiful shining green foliage changing to crimson in autumn. Greenish yellow flowers in August. 1½ ft., 35c; 2 to 3 ft., 50c.

**Cotinus (Smoke Tree).** A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

**Glabra (Smooth Sumach).** A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., 25c; 3 to 4 ft., 35c; 4 to 5 ft., 40c.

**Glabra Laciniata (Cut-leaved Sumach).** A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

**Typhina (Staghorn Sumach).** A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft., 25c; 3 to 4 ft., 35c.

**Typhina Laciniata (Fern-leaved Staghorn Sumach).** As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., 30c; 3 to 4 ft., 45c.

## RIBES OR FLOWERING CURRANT

**Alpinum (B.)** An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 1½ to 2 ft., extra bushy, 40c.

**Aureum (Yellow-flowering, or Missouri Currant.) (B.)** A native shrub with glabrous shining leaves and yellow sweet-scented flowers in June. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c; 5 to 6 ft. Specimens, 75c.

## ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., 50c; 2 to 3 ft., 75c.

## ROBINIA (Black Locust)

**Pseud-acacia.** A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 1½ to 2 ft., 25c; 3 to 4 ft., 35c; 4 to 6 ft., 45c; 6 to 7 ft., Specimens, 60c.

## ROSA (Rose)

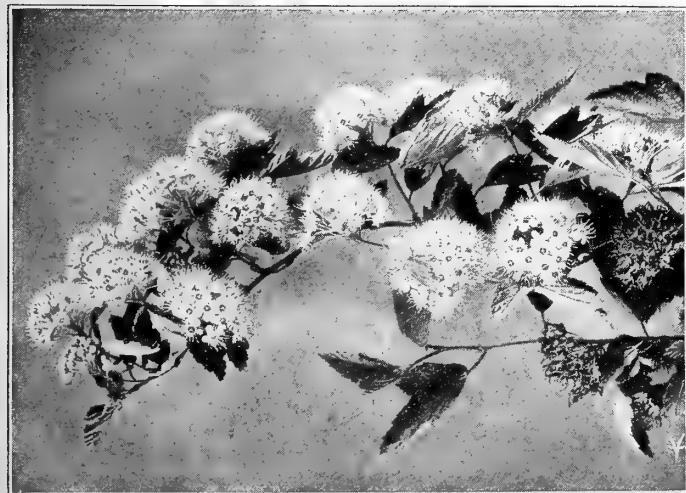
**Blanda.** (Meadow Rose.) Pink flowers followed by red berries. Very ornamental in winter. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.

**Carolina.** Very similar to above. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.

**Lucida.** Single bright pink flowers, with bright red bark and berries in winter. 2 yr., 30c; 3 yr., 35c.

**Rubiginosa.** (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., 30c; 3 yr., 35c; 4 yr., selected, 50c.

**Rubrifolia.** Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.



SPIRAEA OPULIFOLIA



SPIRAEA—Anthony Waterer

## ROSA—Continued.

**Rugosa Alba.** Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2 year 30c.

**Rugosa Rubra.** This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 2 yr., 30c.

**Setigera.** (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 2 yr., 30c; 3 yr., 40c.

## SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

**Aurea.** An exceedingly ornamental shrub or small tree with bright golden bark. 5 to 6 ft., 40c; 6 to 7 ft., 50c.

**Britzensis.** (Golden Russian Willow.) Short trunk, dense growth of golden yellow branches; leaves silvery white. 4 to 5 ft., 40c; 5 to 6 ft., 50c; 6 to 7 ft., 60c.

**Discolor (Pussy Willow).** A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 12 to 18 inch, 25c; per 100, \$15.00; 2 to 3 ft., 30c; 4 to 5 ft., 35c.

**Laurifolia.** (Laurel-leaved Willow.) A rapid grower, erect form, with broad glossy, dark-green leaved; admirable for sea shore and narrow streets. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

**Osier.** (Tying Willow.) Very vigorous; red bark. This is the best willow for tying. 1½ to 2 ft., 25c; 4 to 5 ft., 40c; 5 to 6 ft., 60c.

## SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for water-side and border planting.

**Nigra.** (The Black Elder.) A valuable dense shrub for screens or background. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

**Nigra Aurea.** (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

**Nigra Laciniata.** (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

**Racemosa.** Attractive red berries in summer. 2 to 3 ft., 35c; 4 to 5 ft., extra bushy, 60c.

**SHAD BUSH.** See Amelanchier. **SNOWBERRY.** See Symphoricarpos.

**SILVER THORN.** See Eleagnus. **SWEET BRIAR.** See Rosa Rubiginosa.

**SMOKE TREE.** See Rhus Cotinus. **SWEET SHRUB.** See Calycanthus.

**SNOWBALLS.** See Viburnum.

## SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

**Anthony Waterer.** (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., extra bushy, 35c; 2 ft., Specimens, 50c.

**Arguta Multiflora** (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 1 to 1½ ft., extra bushy, 30c; 2 to 3 ft., extra bushy, 40c; 3 to 4 ft., bushy, 60c; 4 ft., Specimens, \$1.00.

**Billardii.** (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., 50c.

**Callosa Alba.** (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1½ ft., extra bushy, 50c.





SPIRAEA—Van Houttei

## SPIRAEA—Continued

- Callosa Froebeli Variegata.** A variegated leaved, free-flowering variety, flowers rose. 2 to 2½ ft., extra bushy, 50c.
- Callosa Rubra.** (Fortune's Spiraea.) (D.) Has large panicles of deep rose blossoms, grows freely and blooms nearly all summer, 2 ft., extra bushy, 50c.
- Opulifolia.** (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places, 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., Specimens, 60c.
- Opulifolia aurea.** (Golden-leaved Nine Bark.) (B.) Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., 35c. 3 to 4 ft., 50c.
- Prunifolia Fl. Pl.** (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 ft., bushy, 50c.
- Sorbifolia.** (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July, 2 to 3 ft., 35c; 3 to 4 ft., 50c.
- Thunbergii.** (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, 30c; 2 to 3 ft., extra bushy, 50c; 3 ft. Specimens, 75c.
- Van Houttei** (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft. ....	\$0.25	\$0.65	\$2.40	\$12.00
1½ to 2 ft. ....	.35	1.00	3.60	16.00
2 to 3 ft. ....	.40	1.10	4.00	25.00
3 ft. bushy.....	.50	1.40	5.40	30.00
3-4 ft " .....	.60	1.70	6.50	45.00
4-5 ft " .....	.75	2.50	8.00	.....

## STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground. 12 to 18 in., extra bushy, 35c; 2 ft., Specimens, 60c.

## SYMPHORICARPUS

## (The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

- Racemosus.** (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c.
- Vulgaris.** (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, 30c; 3 to 4 ft., bushy, 35c.



WEIGELIA ROSEA

## TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside.

**Amurense.** A splendid new hardy variety, with silky pink tassels; flowers all summer. 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

**Hispid Aestivalis.** A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

## VIBURNUM

## (The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

**Carlesii.** A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 15 ins., extra bushy, \$1.00; (balled and burlapped).

**Dentatum.** (Arrow Wood.) (B.) May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, each, 50c.

**Lantana.** (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c.

**Molle.** (Glossy Viburnum.) A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 60c; 4 to 5 ft., Specimens, 75c.

**Opulus.** (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., bushy, 35c; 3 to 4 ft. extra bushy, 50c; 4 to 5 ft. extra bushy, 75c; 5 to 6 ft. Specimens, \$1.00.



## VIBURNUM OPULUS

**Plicatum.** (Japanese Snowball.) The old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 feet high. It blossoms in early June, being covered with large balls of flowers as white as snow. 2 to 3 feet, bushy, 35c; 3 to 4 feet, bushy, 50c.

**Pyrifolium.** (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 60c.

**Rhytidophyllum.** Large, deep green, corrugated leaves, 6 to 8 inches long. Very decorative. Terminal umbels of yellowish white flowers, followed by dark red berries in fall. New and distinct. 2½ to 3 ft., extra bushy, \$1.25.

**Sterilis.** (Old Fashioned Snowball.) Too well known to require description. 2 to 3 ft., bushy, each 35c; 3 to 4 ft., bushy, 50c.

**Tomentosum.** (B.) The single form of the beautiful Japan Snowball; Flowers pure white, in great profusion early in June. Perfectly hardy vigorous and free-blooming; very desirable. 2 to 3 ft., 50c; 3 to 4 ft., extra bushy, 60c.

## WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

**Amabilis.** Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 2 to 3 ft., 40c.

**Candida.** White Weigelia, flowering throughout the summer. 2 to 3 ft., 35c; 3 to 4 ft., 45c.

**Eva Rathke.** A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelas. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

**Floribunda.** Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., 40c; 3 to 4 ft., 60c.

**Nana Variegata.** (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft., 50c.

**Rosea.** A beautiful shrub, with rose-colored flowers. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

## XANTHOCERAS SORBIFOLIA (A)

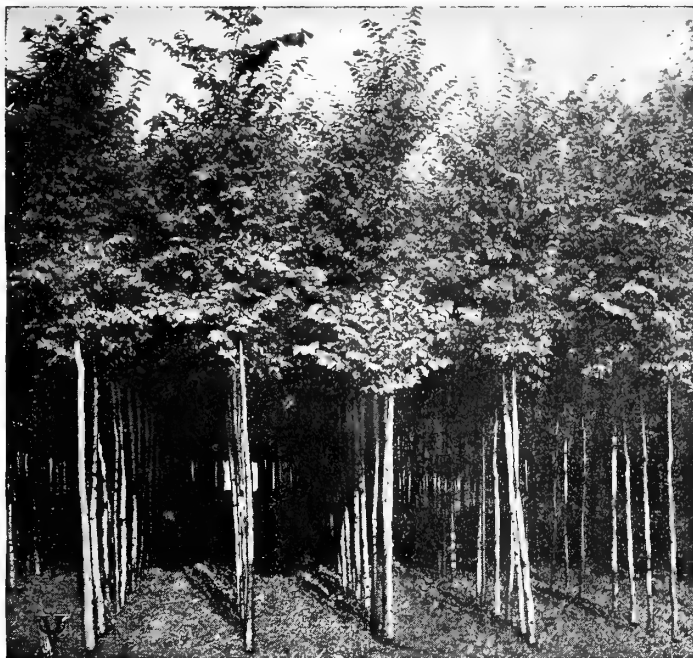
A rare shrub with stout, upright branches, pinnate foliage and slender panicles of white flowers that are blotched with yellow and red. Valued for solitary planting. 2 year, 40c.

WILLow. See Salix.

WITCH HAZEL. See Hamamelis.



NORWAY MAPLE



A BLOCK OF ELMS AT OUR NURSERIES



LOMBARDY POPLAR

# Shade and Ornamental Trees

**W**E invite a visit to our Nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of Specimens such as are not usually seen. Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.,) two blocks south of 47th Street on the continuation of East Boulevard.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

**SHIPPING DIRECTIONS:** Tree orders amounting to \$10.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees 12 feet high or over must be shipped by freight only.

## ASH (Fraxinus)

**Americana.** (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 3 to 4 ft., 25c; 4 to 5 ft., 35c; 5 to 6 ft., 50c; 10 to 12 ft., 2½ in. cal., \$3.00; 10 to 12 ft., 3 in. cal., \$4.00; 10 to 12 ft., 4 in. cal., \$5.00; 4½ in. cal., \$6.50.

**Excelsior.** (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft. 2½ inch cal., \$3.50; 3 inch cal., \$4.50; 10 to 12 ft., 4 in. cal., \$6.00.

**Viridis.** (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 3 to 4 ft., 25c; 4 to 5 ft., 35c; 10 to 12 ft., \$1.75; 12 ft., 2 in. cal. each \$2.50; 12 ft. 2½ in. cal. \$3.00; 12 ft., 3 in. cal., \$4.00; 12 ft. 4 in. cal., \$6.00.

## BIRCH (Betula)

**Alba Laciniata.** (European White Weeping Birch.) A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., \$2.50.

**Lenta.** (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 12 ft. 3 in. cal., \$5.00 each.

## BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., \$1.25.

## CATALPA

**Bungei.** (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 ft. clear stem, \$2.00; 6 ft., \$2.50; 3 year heads, 6 ft. stem, \$3.00.

**Kaempferi.** (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than Syringaefolia. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 12 to 14 ft., 2 to 2½ in. cal., \$3.00 each; 12 to 14 ft., 3 in. cal., \$5.00.

**Speciosa.** (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 4 to 5 ft., 30c; 5 to 6 ft., 50c; 6 to 8 ft., 75c; 10 to 12 ft., \$1.25; 10 to 12 ft. 2½ inch cal., \$3.00; 3 inch cal., \$4.00; 12 to 14 ft. 3½ in. cal., \$5.00; 12 to 14 ft., 4 in. cal., \$6.00 each.

**Syringaefolia.** (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters of white and purple fragrant flowers. 4 to 5 ft., 35c; 5 to 6 ft., 60c; 12 to 14 ft. 3 in. cal., \$4.00.

## ELM (Ulmus)

**American.** The ideal street tree. We offer shapely trees.

Height	Caliper	Each	100	Height	Caliper	Each
8 to 10 ft.	.....	\$0.75		12 to 14 ft.	4 in. ....	\$ 6.00 to \$10.00
10 to 12 ft.	1½ to 2 in.	2.00		12 to 14 ft.	5 in. cal.	12.00 to 15.00
10 to 12 ft.	2½ in. ....	2.60	\$225.00	12 to 14 ft.	6 in. cal.	18.00 to 22.00
10 to 12 ft.	3 in.	\$3.25 to 4.00		14 to 16 ft.	7 in. cal.	22.00 to 30.00
12 to 14 ft.	3 in.	\$4.00 to 5.00		14 to 16 ft.	8 in. cal.	35.00 to 40.00

Write for prices on larger lots.

**Campestris Dampieri.** Pyramids 10 ft. \$2.50 each.

**Horizontalis.** Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 6-year heads, \$20.00 each.

**English Elm.** (U. Campestris.) A large tree with spreading branches forming Pyramidal heads. Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree in both lawns and avenues. 10 to 12 ft., 1½ in. cal., each \$2.75; 10 to 12 ft. 2 in. cal., \$3.50; 10 to 12 ft. 2½ in. cal., \$4.00; 12 to 14 ft., 2½ in. cal., \$5.00; 12 to 14 ft., 3 in. cal., \$6.00.

**Huntingdon Elm.** (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., \$1.50 each.

**Montana Var. Camperdown Pendula.** (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4, 5 and 6 year heads, \$12.00 to \$20.00 each.

**Monumental Elm.** (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 to 10 ft., \$1.75; each; 12 ft., 2 to 2½ in. cal., \$3.50; 12 ft., 2½ in. cal., \$6.00.

**Purpurea.** (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 3 in. cal., \$4.00 each; 14 ft. 3½ in. cal., \$5.00.

**Scotch Elm.** (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 10 to 12 ft., 1½ in. cal., \$2.75; 10 to 12 ft., 2 in. cal., \$3.00; 10 to 12 ft., 2½ in. cal., \$4.00; 10 to 12 ft., 3 in. cal., \$5.00.

## JUDAS TREE (Red Bud)

**Cercis Canadensis.** It blooms in early spring. Its masses of small delicate rosy flowers wreath the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., \$1.00 each.

Write for special prices on 25, 50, 150 and 250 lots



SCHWEDLER'S PURPLE-LEAVED MAPLE

## Ornamental Trees—Continued

### LINDEN (Tilia)

- Americana.** (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 to 10 ft., 1 to 1½ in. cal., \$1.00 each; 8 to 10 ft., 2 in. cal., \$2.00 to \$3.00.
- Crimean Linden.** (T. Dasystyla.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green on the upper surface, pale beneath turning yellow and brown in autumn. A distinct and valuable Linden, 10 ft., 2 in. cal., \$2.25 each; 10 ft., 2½ in. cal., \$3.00.
- European Linden.** (Tilia Europea.) Develop into symmetrical trees that are splendid for lawn, park or street planting. Thrive best in deep loamy soils, Bush form. 8 to 10 ft., 2 in. cal., \$2.50 each.

### LOCUST (Robinia)

- Pseud-acacia.** (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., 35c each; 5 to 6 ft., 45c; 6 to 7 ft. Specimens, 75c.
- Honey Locust** (American.) (Gleditsia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. Often used for hedges and wind-breaks. 2 to 3 ft., 35c; 3 to 4 ft., 45c.

### MAIDENHAIR TREE (Ginkgo Biloba)

This tree is remarkable as a deciduous member of the Pine family, with leaves that resemble those of the Maidenhair Fern. Its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. Of medium height, pyramidal in growth, sparsely branched, and of characteristic irregular outline. 8 to 10 ft. 2 in. cal., \$3.50 each; 10 to 12 ft. 2½ in. cal., \$5.00 to \$8.00.

### MAPLE (Acer)

- Geneva.** A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until the leaves fall. 8 ft. 2 in. cal., \$4.00 each; 9 ft., 2½ in. cal., \$5.00.
- Norway Maple.** (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 8 to 10 ft., \$2.00 each; 10 to 12 ft., 2 in. cal., \$3.00; 10 to 12 ft., 2½ in. cal., \$4.00; 12 ft., 3 in. cal., \$6.00 to \$8.00.
- Schwedleri** (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the Norway Maple. 8 to 10 ft., \$2.00 each; 10 ft., 2 in. cal., \$3.00; 10 ft., 2½ in. cal., \$4.00.
- Silver Maple.** (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 10 to 12 ft., \$2.00 each; 10 to 12 ft., 2½ in. cal., \$2.50; 10 to 12 ft., 3 in. cal., \$3.00 to \$4.00.

### MAPLES—Continued.

**Wier's Cut-leaved Silver Maple.** (Dasycarpum Wierii) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 8 to 10 ft., \$1.25 each; 10 to 12 ft., 2½ in. cal., \$3.00; 12 to 14 ft., 3 in. cal., \$5.00; 12 to 14 ft., 5 in. cal., \$7.50.

### MOUNTAIN ASH (Sorbus)

**European Mountain Ash.** A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 8 to 10 ft., \$1.00 each; 10 to 12 ft., 2 in. cal., \$2.00.

**Golden-Leaved Mountain Ash.** A handsome variety, foliage bright yellow. Very effective, especially in Fall and Winter when covered with its scarlet berries. 12 ft., 2 in. cal., \$2.50 each.

### MULBERRY (Morus)

**Russian.** (M. Tartarica.) Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 2 to 3 ft., 35c each; per 100, \$20.00; 3 to 4 ft., 40c; per 100, \$25.00; 4 to 5 ft., 50c.

**Weeping Mulberry.** (M. Tartarica Pendula.) The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 2 year heads, \$2.50 each; 3 year heads, \$3.00.

### PLANE (Platanus)

**Plane Tree or Sycamore.** (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 7 ft., \$1.25; 8 ft., \$1.50.

### POPLAR (Populus)

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

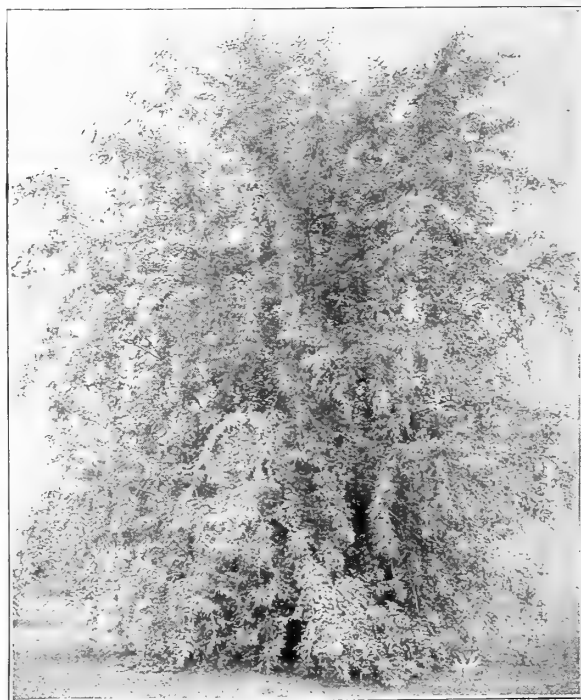
- Bolleana.** A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 3 to 4 ft., 30c each.
- Carolina Poplar.** Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., 30c each; per 100, \$15.00; 8 to 10 ft., 1 to 1½ in. cal., 60c; 10 to 12 ft., 2½ to 3 in. cal., \$2.50.
- Lombardy Poplar.** A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 8 ft., 30c each; per 100, \$15.00; 8 to 10 ft., 1 to 1½ in. cal., 40c; 10 to 12 ft., 60c; 12 to 14 ft., 2½ in. cal., \$1.50.
- Norway.** Very similar to Carolina Poplar. 6 to 8 ft., 30c each; 8 to 10 ft., 40c.

### TREE OF HEAVEN (Ailanthus)

**Tree of Heaven.** (A. glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 4 to 5 ft., 50c each.

### WALNUT (Juglans)

- Black Walnut.** (J. Nigra.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 to 7 ft., 75c; 7 to 8 ft., \$1.25.
- Japanese.** (J. Japonica.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 2 to 3 ft., 35c each; 3 to 4 ft., 50c.
- Sieboldii.** A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 2 to 3 ft., 40c each.



WIER'S CUT-LEAVED SILVER MAPLE



# Hardy Coniferous Evergreens

Evergreens include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during the early spring, April or May.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

## KEY TO ILLUSTRATIONS

1. *Juniperus Virginiana* Glauca.
2. *Juniperus Communis* Hibernica.
3. *Juniperus Communis* Neaboriensis.
7. *Koster's Blue Spruce*. (*Picea Pungens* Glauca.)

## ABIES (Firs)

**Barchyphylla.** (Nikko Fir). A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 3 ft. \$1.75 each; 4 ft., \$2.50.

**Douglasii.** (Douglas' Fir). A fine rapid growing fir, for extensive planting, windbreaks, etc., or as individual specimens. A most valuable timber tree. 1½ to 2 ft., 35c each; 2 to 3 ft., 50c.

## JUNIPERUS (Junipers and Cedars)

**Canadensis.** (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 3 ft., \$3.50 each; 4 ft., \$4.50.

**Communis Hibernica.** (Irish Juniper). Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 1 ft., 75c each; 2 ft., \$1.00.

**Communis Neaboriensis.** Forms a distinct pyramidal tree, 10 to 12 feet in height; of a decidedly fastigate habit. The branches are densely clothed with rich very glaucous foliage. It is one of the handsomest of the Junipers for formal work. 2 ft., \$1.75 each; 3 ft., \$2.25.

**Japanica.** Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 1 ft., \$1.00 each; 1½ ft., \$1.25.

**Pfitzeriana.** One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 1 ft., \$1.00 each; 2 ft., \$2.00; 2½ ft., \$3.00; 3 ft., \$4.00; 4 ft., \$5.00; 5 ft. \$10.00 to \$12.00; 5½ ft., Specimens, \$12.00 to \$15.00; 6 ft. Specimens, \$20.00 to \$30.00.

**Procumbens.** (Trailing Juniper). Prostrate creeping habit. Fine for growing over rocks and dry banks. 1 by 1½ ft., \$2.25 each.

**Sabina.** (Cedar or Savin). A dwarf spreading evergreen, with trailing branches suitable for rock work. 2 ft., \$1.50 each; 3 ft., \$4.00 to \$6.00.

**Sabina Tamariscifolia Gracilis.** A good, hardy variety of a trailing and spreading nature, with rich, green foliage, growing to a height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 15 in. by 18 in., \$2.50 each.

**Virginiana Elegantiissima.** A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older. 2 ft., \$1.25 each; 2½ ft., \$2.50; 3 ft., \$3.00.

**Virginiana Glauca.** (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 1½ ft., \$1.00 each; 2 ft., \$1.75; 3 ft., \$2.50.

**Virginiana Schottii.** Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2 ft., \$1.75 each; 2½ ft., \$2.25.

## LARIX (Larch)

**Europaea.** (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 2½ to 3 ft., 60c each; 3 to 4 ft., \$1.00.

## PICEA (Spruce)

**Excelsa.** (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 ft., 35c each; 1 to 1½ ft., 40c; 2 ft., 50c; 3 ft., 75c; 5 ft., \$1.50; 6 ft., \$2.50.

**Excelsa Nigra.** (Black American Spruce). A small or medium size tree; a native of Northern America, of great hardness, and particularly useful for planting in the Northern States. 2 to 3 ft., \$1.00 to \$1.50 each; 3½ ft., \$2.50.

**Omorika.** (Servian Spruce). A distinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 2½ ft., \$2.00 each; 3 ft., \$2.50; 4 ft., \$3.00.

## Koster's Blue Spruce

**Pungens Glauca Kosteriana** (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
18 in. ....	\$1.50	4½ ft. ....	\$11.00 to \$12.00
2 to 2½ ft. ....	\$4.00 to 5.00	5 ft. ....	12.00 to 15.00
2½ to 3 ft. ....	6.00 to 7.00	5 to 6 ft. ....	15.00 to 20.00
3½ ft. ....	8.00	6 to 7 ft. ....	20.00 to 35.00
4 ft. ....	9.00 to 10.00	8 ft. ....	50.00 to 75.00

**Pungens Pendula.** (Weeping Blue Spruce). A rare and charming form of this popular hardy evergreen. 5½ to 6 ft. \$12.00 to \$15.00.

## PINUS (Pines)

**Austriaca.** (Austrian Pine). A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 3 ft., \$2.00 each; 5 ft. \$3.50.

**Montana.** (Swiss Mountain Pine) An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. Ht. 18 in., diam. 18 in. \$1.50 to \$2.00; ht. 2 ft. diam. 2 ft. \$3.50 to \$4.00.

**Mughus.** (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 1½ by 2 ft. \$1.00.

**Strobus.** (White Pine). A very beautiful and graceful pine regular in form with horizontal boughs and dark green foliage, growing quite tall, surmounted by a symmetrically formed crown. 1 ft. 60c.

## TAXUS (Yew)

**Cuspidata.** (Japanese Yew). One of the hardest, of spreading habit, foliage light green. 1½ ft., \$1.50 each.

**Cuspidata Brevifolia.** A form of the above with short dark, green leaves. A very handsome hardy variety; rare. 1½ ft. \$2.25 each; 2 ft. \$4.00.

**Repandens.** (Spreading English Yew). Very suitable in front of trees or tall shrubs. Low spreading habit. 12 in. high, 18 in. diam., \$3.00 each.

## THUYA (Arborvitae)

**Occidentalis.** (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 10 in., 25c; 1½ to 2 ft., 35c; 2½ ft., 75c; 4 ft., \$2.00; 5 ft. Specimens, \$3.00.

**Occidentalis Globosa.** A round compact form, deep green foliage. Very shapely as specimens. 10 in. by 15 in., \$1.25 each; 18 in. by 18 in., \$2.00.

**Occidentalis Rosenthalli.** Hardy compact grower with dense foliage of dark green. 1½ ft. \$1.00; 2 ft., \$1.50; 2½ ft. \$1.75.

**Occidentalis Spiralis.** Very hardy and upright compact growth. 2½ ft., \$2.50; 3 ft., \$3.00.

**Occidentalis Warriana.** The hardest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 2 to 2½ ft., \$1.25; 2½ to 3 ft., \$1.75.

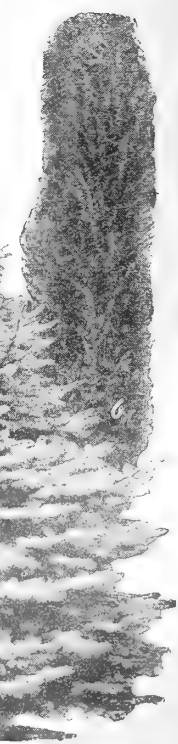
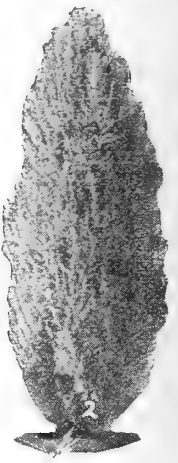
**Pyramidalis.** Valuable and very hardy. Habit much like the Irish Juniper. 3 ft., \$2.00.

## THUYOPSIS

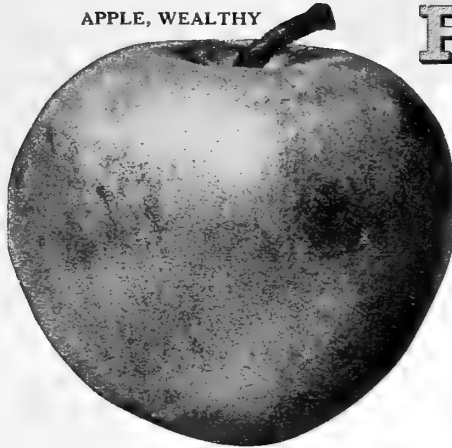
**Standishi.** (Japanese Arborvitae). A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations. 2 ft., \$1.25 each; 2½ ft., \$2.00; 3 ft., \$2.50.

## TSUGA (Hemlock)

**Canadensis.** (Canadian Hemlock). A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensable for parks or landscapes. 1½ to 2 ft., \$1.00 each; 2 to 3 ft., \$1.50; 4 ft. Specimens, \$4.00.



## APPLE, WEALTHY



## FRUIT TREES

THE season for planting fruit trees varies with the latitude and altitude of localities, and is really regulated by the appearance and disappearance of frost. Fall planting can be commenced about the middle of October until the ground is frozen, and the spring planting can be done as soon as the frost is out of the ground, the sooner the better. Orders should be sent in beforehand so as to have a minimum of delay; one can readily understand the work we have to get through, practically a whole year's business in three or four weeks during the latter part of March and beginning of April, and it is only fair to our customers that we should execute orders so far as possible in strict rotation.

**Pruning.** It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of the main stem. Cut back all broken or bruised roots smoothly to sound wood.

## SUITABLE DISTANCES FOR PLANTING

	Ft. apart each way		Ft. apart each way
Apples, Standard	30 to 40	Raspberries	1 by 4
Pears and Cherries	20	Currants, Gooseberries	3 to 4
Plums	16 to 20	Blackberries	3 to 7
Peaches	16 to 18	Grapes	8 to 10
Quinces	10 to 12	Strawberries	1 by 3

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all freight and express shipments. When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

Prices for 3 and 12 of one kind, are the same as those on page 136.

**IMPORTANT.** Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

## APPLES

**Autumn Strawberry.** Red stripes, very white flesh. Bears young. 4 to 5 ft. 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Baldwin.** Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Banana.** Large clear yellow, fine quality. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Ben Davis.** Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., 35c; 6 to 7 ft., 75c.

**Black Ben Davis.** Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 75c.

**Delicious.** A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Duchess of Oldenburg.** Tree, a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Early Harvest.** Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Gano.** Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles. Feb. to March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Grimes' Golden.** Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Jonathan.** Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Maiden's Blush.** Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**McIntosh Red.** Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Newtown Pippin.** Green Newtown Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., 35c; 5 to 6 ft., 50c.

**Northern Spy.** Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air. Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Northwestern Greening.** Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Red Astrachan.** Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Rome Beauty.** Large; yellow and bright red; handsome; medium quality, good bearer. Dec. to March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Salome.** Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Snow (Fameuse.)** Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

Don't wait until May to plant Fruit Trees; start when frost is out of the ground, you will have better results.



PEAR, SECKEL

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

**Spraying.** Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish free bulletins on this subject and can supply information.

## APPLES—Continued

**Spitzenburg.** Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Tolman's Sweet.** Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Wagener.** Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Walbridge.** Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. March to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Wealthy.** Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable winter varieties. Oct. to Jan. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Winesap.** Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Wolf River.** A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. Jan. and Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

**Yellow Transparent.** One of the most desirable early apples in cultivation; Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured. July and Aug. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

## CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for ringard, dried or preserved.

**Early Strawberry.** Greenish yellow, carmine stripes, good quality. 5 to 6 ft. 50c; 6 to 7 ft., 65c.

**Florence.** Pinkish red, faintly striped with a dark red; wherever shaded it shows a deep yellow. The flesh is yellow, crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Hyslop.** The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c.

**Siberian.** Large, golden yellow; very popular. September. 5 to 6 ft., 50c.

**Sweet Orange.** A seedling of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. September. 5 to 6 ft., 50c.

**Transcendent.** An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 10 to 12 ft., Specimens, \$2.00.

**Whitney.** One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

## CHERRIES

**Dyehouse.** Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

**Early Richmond.** Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

**Montmorency.** A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

**Windsor.** Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

**Wragg.** Claimed to be much harder than English Morello, which it closely resembles. July. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

## PEARS

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated only by cutting away the diseased limbs entirely. Thinning increases size and quality of the remaining crop.

**Bartlett.** The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

**Clapp's Favorite.** Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 7 to 8 ft., \$1.00.

**Duchess.** Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

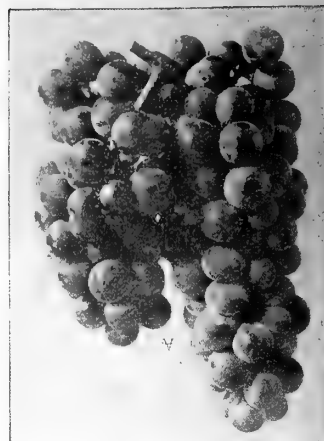
**Early Harvest.** Early. Good size. 4 to 5 ft., 60c.

**Flemish Beauty.** Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 6 to 7 ft., \$1.00.

**Kieffer.** Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00; 10 to 12 ft. Specimens, \$1.50 to \$2.00.

**Koonce.** Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., 50c; 5 to 6 ft., 75c; 6 to 7 ft., 85c.

**Seckel.** Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., 60c; 5 to 6 ft., 75c.



CAMPBELL'S EARLY

CONCORD

## PLUMS

**Abundance.** This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., 50c.

**Burbank.** The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., 50c.

**Compass.** (New). A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardness, very desirable for Northern Sections, 4 to 5 ft., 75c.

**De Soto.** Very hardy, bright red. September. 4 to 5 ft., 50c.

**German Prune.** Very large, dark blue, deep bloom. Excellent for dessert and preserving. 4 to 5 ft., 60c.

**Shipper's Pride.** A large handsome fruit measuring nearly 2 inches in diameter. Dark purple, juicy and sweet. 4 to 5 ft., 60c.

**Shropshire Damson.** Of fine quality; flesh is amber-colored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., 50c.

**Wolf.** Very popular, large, immensely productive. August. 4 to 5 ft., 50c.

## PEACHES

**Champion.** Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet. 4 to 5 ft., 35c.

**Crawford's Early.** Large yellow, of excellent quality. Vigorous and prolific. 4 to 5 ft., 35c.

**Crawford's Late.** Very large and productive, yellow; ripens about the close of the peach season. 4 to 5 ft., 35c.

**Crosby.** One of the hardiest; abundant bearer, bright yellow. Sept. 4 to 5 ft., 35c.

**Elberta.** Large, yellow; one of the leading market varieties. Sept. 4 to 5 ft., 35c.

**Early Elberta.** Larger, earlier and more highly colored than the preceding. Color, golden yellow, blending to a glorious red on the sunny side. 4 to 5 ft., 50c.

**Red Bird Cling.** Large, early and excellent quality. Best of the early shipping peaches. 4 to 5 ft., 50c.

**Wonderful.** Freestone peach; rich, golden yellow, overspread with rich carmine. 4 to 5 ft., 35c.

## QUINCE

**Meech.** A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., 50c; 4 to 5 ft., 75c.

**Orange.** Large, bright yellow, fruit of excellent flavor. 4 to 5 ft., 75c.

# VAUGHAN'S SMALL FRUITS

## SELECT GRAPES

(Except where noted) 2-year, each 20c; 3 for 55c, doz. \$2.00; 3 year, extra heavy each 30c, 3 for 80c, doz. \$3.00. If by mail, 12 weigh 14 lbs., 6 weigh 6 lbs., packed.

There is scarcely a yard so small either in country or city that room for a few grapevines cannot be made. They do well trained to the side of any building or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow and plant from 6 to 8 ft. apart.

**AGAWAM.** (Red or Maroon.) Bunch usually loose, shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned leaving long canes.

**BRIGHTON.** (Dark Red.) Bunches large; berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollinize itself. One of the best early red grapes.

**CAMPBELL'S EARLY, King of American Grapes.** (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thick; flavor rich and sweet. Price, 2-year-old vines, each 30c, 3 for 80c, doz. \$3.00 (exp.); 3-year-old, each 40c, 3 for \$1.10, doz. \$4.00 (exp.).

**CATAWBA.** (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

**CONCORD.** One of the most popular and reliable varieties grown; bunches large and compact, berries large round, almost black. Juicy and very sweet.

**DELAWARE.** (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

**DIAMOND.** The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.

**NIAGARA.** (White.) Vine hardy; unusually strong grower; bunches large and compact, mostly round; fruit semi-transparent, slightly ambered, sweet to center.

**MOORE'S EARLY.** (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

**WORDEN.** (Black.) Handsome, large, compact bunch; berries very large, skin thin; ripens five to ten days earlier than Concord.

**SPECIAL OFFER No. 147** The set of 10 grapes, 2 years, for \$1.70, (exp.)

**SPECIAL OFFER No. 147A** The set of 10 grapes, 3-year, \$2.20, (exp.) includes the excellent Campbell grape.

## CURRENTS

Plant in rich ground about 4 ft. apart, cultivate well, prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with Hellebore.

(Except where noted) 2-year, each 15c, 3 for 40c, doz. \$1.50, 3-year, each 25c, 3 for 65c, doz. \$2.50.

If to go by mail, six 2-year weigh 12 lbs., six 3-year weigh 14 lbs., dozen 2-year weigh 25 lbs., dozen 3-year weigh 26 lbs.

## CURRENTS—Continued

**BOSKOOP GIANT.** (Black.) This famous currant, of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 2-year, each 20c, 3 for 55c, doz. \$2.00; 3-year, each 30c, 3 for 80c, doz. \$3.00.

**CHERRY.** A prolific red currant of excellent quality. Where well cultivated the fruit reach 1/2 inch in diameter. 2-year, each 20c, 3 for 55c; doz. \$2.00; 3-year, each 30c, 3 for 80c; doz. \$3.00.

**FAY'S PROLIFIC.** (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive. Perhaps no other currant has received so much praise, the demand most seasons being in excess of the supply.

**LEE'S PROLIFIC.** (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

**NORTH STAR.** (Red.) It is bright in color and is the sweetest and best flavored currant known. It is an early and prolific bearer.

**PERFECTION.** New. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape; originated by Mr. Chas. C. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness. 2-year, each 53c; 3 for 90c; doz. \$3.50.

**RED DUTCH.** The old well known red currant. A strong, tall, upright grower. Berries medium size, dark red.

**WHITE GRAPE.** Very large; yellowish white and most productive of the white varieties; mild, sweet flavor. A good table variety.

**Special.** We can supply strong 4 year old plants of Fay's Prolific and Red Dutch. Each, 35c; 3 for \$1.00; dozen, \$3.60 (by express).

**Special Offer 147B.** One each of the 8 currants, 2 yr. plants for \$1.25, (exp.).

## BLACKBERRIES

Price, each, 10c; per doz., 75c; per 100, \$3.00. If by mail, six weigh 2 lbs., dozen weigh 3 lbs., 50 weigh 11 lbs., larger quantities by express.

**ANCIENT BRITON.** Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.

**ELDORADO.** The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

**HIMALAYA GIANT.** New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre. Each 10c; doz. \$1.00; 100 \$8.00.

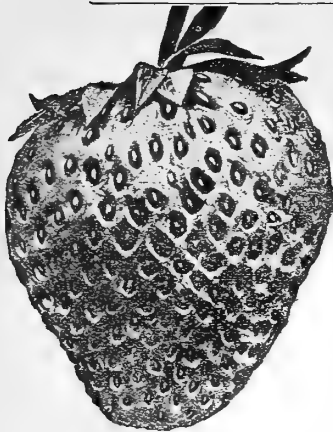
**SNYDER.** Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

**STONE'S HARDY.** Best variety for the north; fruit rich and melting. Fine flavor; very productive.

**Special Offer No. 147C.**—12 each of the above varieties for \$1.25, (exp.).

Write for Special Prices on lots of 25, 50, 100 and 250 of all Fruit Trees

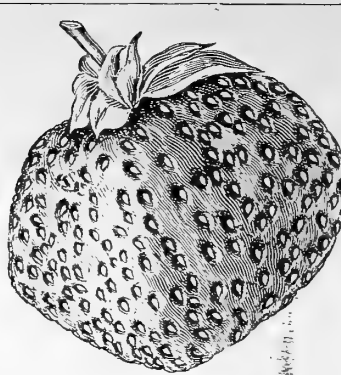




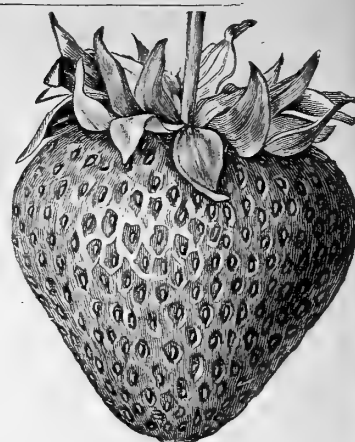
AUGUST LUTHER



GANDY



KLONDYKE



SENATOR DUNLAP

## SMALL FRUITS—Continued

### GOOSEBERRIES

Good soil, thorough pruning, top dressing with manure are the essentials for a crop of gooseberries. They do best in a partly shaded place. For worms and mildew use Pyrox (Arsenate of Lead and Hellebore). Mixes easily in cold water.

Price, 2-year, each 25c, 3 for 65c, doz. \$2.50; 3-year, each 35c, 3 for 85c, doz. \$3.50.

If by mail, three 2-yr. weigh 6 lbs., 3-yr. 7 lbs.; six 2-yr. weigh 12 lbs., 3-yr. 13 lbs.; larger quantities should be expressed.

**DOWNING.** Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

**HOUGHTON.** Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

**INDUSTRY.** Dark red color when fully ripe; berries of largest size; excellent flavor. It is one of the heaviest croppers. Strong upright grower, less subject to mildew than most of the foreign varieties. 2-year, each 35c; 3 for \$1.00; 3-year, each 50c.

**RED JACKET.** It is one of the best red gooseberries in existence. The berries are large, smooth, bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

**TRANSPARENT.** Large yellowish green fruit. Very juicy, and excellent flavor. We offer 2-year old bushes only.

### RASPBERRIES

Price, except where noted, each 10c; 3 for 25c; doz. 75c; per 100 \$3.00.

If by mail, six weigh 2 lbs.; dozen weigh 4 lbs.; 50, 11 lbs.; larger quantities should be expressed.

**THE HERBERT RASPBERRY.** Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. Per doz. \$1.00; 25 for \$1.50; per 100, \$8.00.

**COLOSSAL.** (Red.) Truly colossal, plant and fruit, and iron-clad in hardness; a sprightly, sub-acid flavor.

**COLUMBIAN.** (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

**GREGG.** (Black.) Large, heavy bearer.

**LOUDON.** (Red.) The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

**KANSAS.** (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

**OLDER.** (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

### NEW EVER-BEARING RASPBERRY

**ST. REGIS.** Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes; while the young canes continue to bear fruit in increasing numbers until frost sets in. Awarded the highest certificate of merit by the American Institute of New York. Price, each, 10c; doz., 75c; 100, \$5.00.

### STRAWBERRIES

Varieties marked (\*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (\*) sorts are the most productive.

**AUGUST LUTHER.** (Early.) This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use, and it is a good shipper.

**BRANDYWINE.** (Late.) A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

### STRAWBERRIES—Continued

**BUBACH** (\*) (Mid Season). Large size and handsome color are its valuable characteristics. Berries thick, meaty, fine grained. Thrives in any soil. Stout crowned plants and short stems.

**CLYDE.** (Early). The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

**GANDY.** (Late). This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

**GIBSON** (Mid Season). This is a new variety that is coming to the front very fast. Gibson commences to ripen with Senator Dunlap, but owing to its great productiveness it continues till quite late. It is a strong grower, with long roots that withstand dry weather; has dark, heavy green foliage. Berries are extra large and the vines are loaded with fruit.

**KELLOGG'S PRIZE** (Mid Season). Remarkable for the high quality of its fruit as for its immense yields which have made it famous wherever grown. This variety fruits from mid-season to extremely late. The fruit is of high color, delicious flavor and large size, an ideal berry for the family garden or for the extensive grower. It is claimed to cover a long season and bear a little later than Sample.

**KLONDYKE** (Mid Season). This is one of the most largely grown varieties in the United States. Acres and acres are being planted all throughout the South; it is one of the best shippers and demands top prices in the market, frequently bringing a premium over other varieties; this is largely due to its good, uniform size and unusual firmness and flavor. Klondyke is a vigorous grower and is adapted to a wide variety of soils. It is especially popular in the middle and southern states. The berries ripen evenly, and this, with its good quality, uniform size, color and firmness, make it probably the most popular berry for the middle and southern states. This, however, does not imply that it is not a valuable variety in the North also.

**PRIDE OF MICHIGAN.** (Mid Season). Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer. Good plant maker and stands drouth better than most kinds.

**SENATOR DUNLAP.** (Mid Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to mat too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need not hesitate to plant.

**SAMPLE.** (\*) (Late). Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

**UNCLE JIM.** (Mid Season). There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season. Produces large, heavy, light colored plants which are models of growth.

Price, except where noted, per doz. 35c; 100 \$1.25, postpaid; per 1,000 \$8.00 by express. For Spring delivery only.

**SPECIAL OFFER No. 148** A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, prepaid, \$1.25.

### POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready August 1st

Selections from above list, doz. 50c; per 100, \$3.50.  
Not less than 25 at 100 rate.

### FALL BEARING STRAWBERRIES

**PROGRESSIVE.** You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, doz., 60c; 25 for \$1.15; 50 for \$2.00; 100 for \$3.50, postpaid.

### POT GROWN

Ready August 1st

Doz., \$1.00; 50 for \$2.75; 100 for \$5.00.

Gooseberries and Currants cannot be shipped West of the Western Boundaries of North and South Dakota, Kansas, Nebraska, Oklahoma and Texas.

# VAUGHAN'S HIGH-GRADE FERTILIZERS

## The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets

become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

### VAUGHAN'S 5-8-1 TRUCK AND FARM MANURE

This is a good brand of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape.....	200 to 500 lbs.
Beans.....	400 to 600 lbs.
Carrots and Cucumbers.....	400 to 800 lbs.
Asparagus, Lettuce, Tomato and Strawberries.....	500 to 1000 lbs.
Beets, Onions and Cabbage.....	500 to 1500 lbs.
Celery.....	600 to 800 lbs.

Price, 25 lbs., 90c; 50 lbs., \$1.60; 100 lbs., \$3.00; 200 lbs., \$5.50; 500 lbs., \$12.75; 1000 lbs., \$24.50; 2000 lbs., \$47.00.

**VAUGHAN'S 3-8-1 FERTILIZER.** This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. Price, 25 lbs., 75c; 50 lbs., \$1.35; 100 lbs., \$2.50; 200 lbs., \$4.25; 500 lbs., \$10.00; 1000 lbs., \$19.00; 2000 lbs., \$36.50.

**ACID PHOSPHATE, 14% Available.** 25 lbs., 85c; 50 lbs. \$1.25; 100 lbs., \$2.00; 500 lbs., \$7.00; 1000 lbs., \$13.50; 2000 lbs., \$25.00.

**BON ARBOR** A highly concentrated form of plant food. 1/2 lb. pkg. making 15 gals., 25c; 1 lb. pkg. making 30 gals., 50c; 5 lb. pkg. making 150 gals., \$1.75; 25 lbs., \$6.50; box 50 lbs., \$12.50.

### FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000; Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. Price, 25 lbs., 70c; 50 lbs., \$1.35; 100 lbs., \$2.50; 200 lbs., \$4.50; 500 lbs., \$10.50; 1000 lbs., \$19.50; 2000 lbs., \$36.00.

**BONE AND BLOOD.** For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. Price, 25 lbs., 85c; 50 lbs., \$1.50; 100 lbs., \$2.50; 200 lbs., \$5.00; 500 lbs., \$11.00; 1000 lbs., \$21.00; 2000 lbs., \$40.00.

### BONE, BLOOD AND POTASH

#### Fertilizer Mixture 5-8-3 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a money maker. For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch pottul to a barrel of water. 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$19.25.

**CLAY'S FERTILIZER.** This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. Price, 7 lbs., 90c; 14 lbs., \$1.60; 28 lbs., \$3.25; 56 lbs., \$4.75; 112 lbs., \$9.00.

**DRIED BLOOD.** For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, mums, all kinds of pot plants. Price, F. O. B. Chicago; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.60; 50 lbs., \$3.00; 100 lbs., \$5.00; 200 lbs., \$9.00; 500 lbs., \$21.00.

**HARD WOOD ASHES.** This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Price, 5 lbs., 15c; 25 lbs., 60c; 50 lbs., 95c; 100 lbs., \$1.50; 500 lbs., \$5.00; 1000 lbs., \$9.25; ton, \$18.00.

**HORN SHAVINGS.** These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries to supply food after the natural fertility of the soil is exhausted. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.60; 100 lbs., \$5.60.

**LAND PLASTER OR GYPSUM.** Per 100 lbs., \$1.25; 500 lbs., \$4.50.

**PURE ICHTHEMIC GUANO.** An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

**DIRECTIONS FOR USE.**—(1) In the dry state, 1 to 2 ounces to the square yard of ground. (2) In a liquid state, a tablespoonful to a gallon of water in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, 1 part to 100 parts of soil. Imported in original bags of 112 lbs. each. 28 lbs., \$3.00; 56 lbs., \$4.50; 112 lbs., \$8.00.

### VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4 1/2 to 5 1/2 per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 85c; 50 lbs., \$1.40; 100 lbs., \$2.40; 200 lbs., \$4.50; 500 lbs., \$10.75; 1000 lbs., \$20.25; 2000 lbs., \$39.00.

**Quantity Required.**—For permanent pasture and mowing lands 1/2 to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

**REGULAR BONE MEAL.** 5 lbs., 20c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.20; 200 lbs., \$4.10; 500 lbs., \$10.00; 1000 lbs., \$19.00; ton, \$36.00.

**RAW BONE MEAL.** Per 100 lbs., \$2.65; 500 lbs., \$11.25; 1000 lbs., \$21.50; ton, \$41.25.

**COARSE GROUND BONE,** for Grapes, 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 100 lbs., \$2.00.

### VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. 15c; 3 for 40c; (by mail add 5c per pkg); large package, containing sufficient plant food for one year, 25c; 3 for 65c; (by mail add 10c per pkg.) Directions in package.

**BOWKER'S PLANT FOOD.** First-class; Small pkg., 15c; (by mail add 5c per pkg); large pkg., 25c; (by mail add 10c per pkg.)

**NITRATE OF SODA or Chili Saltpeter.** Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen.

#### HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For Strawberries, a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.70; 100 lbs., \$5.75; original sack (220 lbs.) \$12.00; 500 lbs., \$24.50. Write for prices on larger quantities.

### VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.10; 100 lbs., \$1.95; 500 lbs., \$8.00; 1,000 lbs., \$13.00; ton, 24.00.

**SCOTCH SOOT.** (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. Price, 28 lbs., \$1.65; 56 lbs., \$2.75; 112 lbs., \$4.25.

**SULPHATE OF AMMONIA.** Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. Price, 1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.00; 100 lbs., \$7.50.

**SHREDDED CATTLE MANURE.** An efficient, high grade natural fertilizer for all general purposes manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. Price, f. o. b. Chicago, 100 lbs., \$1.80; 500 lbs., \$7.00; 1000 lbs., \$12.50; 2000 lbs., \$21.00.

**VAUGHAN'S HIGH GRADE LAWN FERTILIZER** Make first application in early spring when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1000 square feet; rake thoroughly, then sow seed.

Price, 5 lbs., 35c; 10 lbs., 55c; 25 lbs., \$1.10; 50 lbs., \$1.90; 100 lbs., \$3.25; 200 lbs., \$6.00; 500 lbs., \$13.00; 1000 lbs., \$24.00; 2000 lbs., \$46.00.

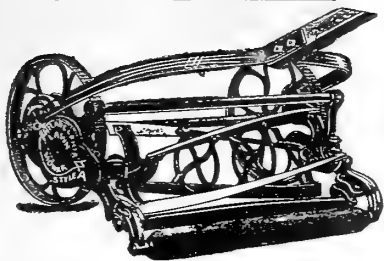
New York prices—50c per 100 lbs.; \$7.00 a ton more. See also page 2.

**REGARDING PRICES.**—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot and Guano are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; if to be shipped from New York, add at the rate of 50c per 100 lbs., or \$7.00 per ton on lots of 1000 lbs. or over to the above prices.



# Vaughan's Lawn Requisites

## Lawn Mowers



### Philadelphia Lawn Mower

#### High Wheel (Steel)—Style A

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four-cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
\$13.80	\$15.50	\$17.20	\$18.85

#### High Wheel—Style K

For all-round general purposes this is one of the best style Mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
\$9.15	\$9.90	\$10.60	\$11.30

Write for complete Philadelphia Lawn Mower Catalog.

## The Vaughan Lawn Mower

The driving wheels are ten inches in diameter, cylinder fitted with 4 blades suitable for long or short grass. Cylinder can be removed from machine without disturbing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work.

15 in.	17 in.	19 in.	21 in.
\$8.50	\$9.50	\$10.50	\$11.50



## The Eagle Philadelphia Horse Lawn Mower

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs.; 40 inch, 610 lbs. Price (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: 35-inch cut, \$110.00; 40-inch cut, \$120.00.

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

## Philadelphia Grass Collector

Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. Price for High Wheel and Styke K and the Vaughan Mower, 14 and 15-inch, \$1.80; 16 and 17-inch, \$1.90; 18 and 19-inch, \$2.00; 20 and 21-inch, \$2.10.

## Lawn Rollers

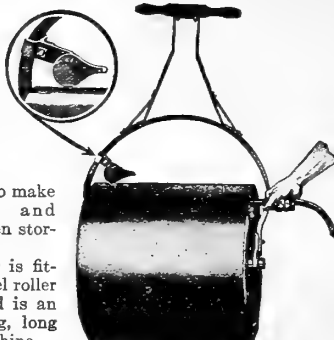
### "Dunham"

### Water-Weight Lawn Rollers

One and two section

This roller has a water tight steel drum which can be filled with water to make it heavy, and emptied when storing away.

The roller is fitted with steel roller bearings and is an easy running, long wearing machine.



#### Without Counter-Balancing Hand Weights

Dia.	L'gth	Sec-	Wt.	Filled	
in.	in.	tions	em'ty	water	Price
WB3..14.	20.	1.....	65.	200.	\$ 8.80
WB5..18.	24.	1.....	80.	310.	11.25
WB7..24.	24.	1.....	115.	500.	14.60
WB9..24.	32.	1.....	130.	650.	16.20
WB11..18.	24.	2.....	100.	330.	15.40
WB13..24.	32.	2.....	160.	650.	19.50

## Gold Medal Roller Bearing Rollers

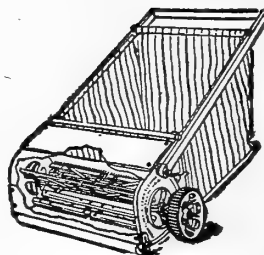
No.	Diameter	Face	Sections	Weight, lbs.	Price
No. 401.	15 in.	16 in.	2.....	150.	\$8.35
No. 402.	15 in.	24 in.	3.....	200.	11.00
No. 403.	20 in.	20 in.	2.....	250.	13.65
No. 404.	20 in.	24 in.	3.....	300.	16.10

## Gem Lawn Sweeper

This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner.

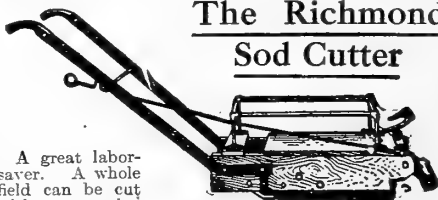
The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work.

Price, 24-inch wide, each \$17.00.



## Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. Price \$85.00.



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. Price \$24.00.

## Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. Price each, \$6.75 complete.

## Lawn Rakes

**Automatic Self Cleaning.** A backward motion of the operator clears all the teeth at once. Each, 75c.



**English Daisy.** For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth. Each, \$3.35.



**Lawn Queen.** Wire teeth. reversible head; 24 teeth. Each, 45c; 36 teeth, 75c.



**Erwin Dandelion Rake.** Specially designed for catching and cutting off heads of dandelion blossoms, preventing their sprading and disfiguring the lawn. It is also a superior all-purpose lawn rake and never injures the sod.



Price, each, \$1.50

**Gem Dandelion Rake.** Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. Cannot tear or injure the sod.



Price, each, \$1.75.

## Horse Lawn Boot

Indispensable Where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.



No. 2 for No. 2 horse shoe  $5\frac{1}{2}$  in. inside measure.  
No. 4 for No. 4 horse shoe  $6\frac{1}{2}$  in. inside measure.  
No. 6 for No. 6 horse shoe 7 in. inside measure.

Price, per set of four, \$11.00.

## Utica Lawn Trimmer

Each..... \$3.50

## FULLER AND JOHNSON Motor Lawn Mower

A better lawn at less cost. A practical motor-driven, hand controlled Lawn Mower, with great flexibility, making it possible to cut close up to, and around trees, shrubbery, walks and driveways, while at the same time having a mowing capacity of four to six acres per day.



Price, \$225.00.

Grass Catcher \$6.00 extra.



# VAUGHAN'S LAWN HOSE, SPRINKLERS, NOZZLES, ETC.

## HOSE NOZZLES

**Boston Rose Spray.** Brass; for ¾-inch hose; useful for watering lawn and garden. Each, 60c; by mail, 70c.

**Gem.** Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each, 50c; by mail, 60c.

## INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, 25c extra.

**Bordeaux Nozzle.** Each, 75c; by mail, 80c.

**Vermorel Nozzle.** Each, 75c; by mail, 80c.

**Coupling to fit nozzles to hose.** Each, 25c.

## BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, \$3.00.

## HOSE REEL—All Iron

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 for 100 ft. ¾-in. hose.....\$2.75  
No. 20 for 150 ft. ¾-in. hose..... 3.00

## THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.  
Iron Mender, for ¾-inch hose. Each, 8c; doz. 75c.

## THE EVANSTON SPRINKLER

One of the best lawn sprinklers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Each 35c. Mailing weight about 2 lbs.

## LINCOLN PARK OR BUTTERFLY

Used for years in Chicago parks; one of the most satisfactory factory sprinklers. Each, 30c. Mounted on stand, 2 foot, 75c; 4 foot, 85c; 6 foot, \$1.00.

## COLUMBIA SPRINKLER

Three Arm Lawn Sprinkler, can be operated with moderate pressure; covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air and the motion produces a fine mist. Height, 1 foot. Each, \$1.25; 3, for \$3.45.

## AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly. Mounted on stand, 2 foot, 65c; 4 foot, 75c; 6 foot, 85c; 8 foot, \$1.00.

## RUBBER HOSE



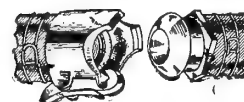
### Electric Non-Kinkable.

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with "snap" hose couplings if advised when ordering. Price, ¼-inch, or ½-inch, per 25 feet, \$5.50; 50 feet, \$10.50; 100 feet, \$20.00.

### Velvet

A first class smooth hose will give good satisfaction. Price ¼ in., per 25 feet, \$5.00, 50 ft. \$9.00, 100 ft \$17.50.

## THE "SNAP" HOSE COUPLER



Best coupler, simple durable, always tight for ¾-inch hose. Per pair, 45c.

**HOSE COUPLER,** Brass, for ½ or ¾-inch hose. Each, 25c; doz., \$2.25.

**Hose Straps, Coldwell.** Used in fastening coupler on hose. Doz., 20c.

## PERFECT CLINCHING COUPLER

¾-inch, per pair, 25c.

### Perfect Clinching

### Hose Mender

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose, ¾-inch, each, 10c; doz. \$1.00.



# SPRAYERS FOR INSECTICIDES

## Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 \$15.00 without barrel; 191B (with barrel) \$17.50; 1911 (without barrel) with 15 ft. lead hose \$17.50.

## Iron Age 20 Gallon Barrel Sprayer

For gardens, estates, parks, poultry plants, etc. 20 gallon one man outfit, mounted, brass pump easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easily gotten at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes 33 inches half inch hose, two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. Price, \$19.50.

## Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, \$21.50 without hose; 1901 with one lead of hose 15 ft. \$24.00.

## Iron Age Strainer

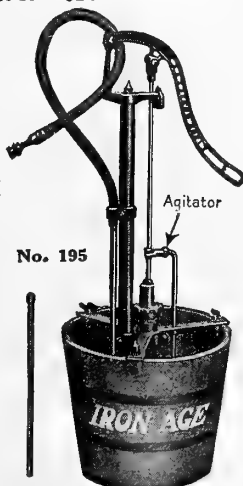
Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each \$1.00.

## Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

By using an extension rod the tops of highest trees can be reached.

Pump complete with agitator, suction pipe, brass strainer and two leads ½ inch hose 5 feet long, fitted with Vermorel or Bordeaux



No. 195

Agitator

IRON AGE

sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized Steel \$5.50; All Brass, \$8.25.

## Iron Age Bucket Sprayer

No. 195 is the complete Bucket Sprayer with special bucket in place of the foot piece. An automatic agitator keeps solution stirred thoroughly. Easily carried in one hand by the pump cross piece or by the lever at the top. Equipment—33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzle are included with each No. 195. With the pipe extension you can stand away from your work—also reach higher bushes, small trees, buildings, etc. Price, \$10.00.

### Perfection

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized Steel \$5.50; All Brass, \$8.25.

## Pneumatic Sprayer

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.00; Brass Tank, each \$1.90.



## The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 75c; 3 for \$2.00.

## Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. Its double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete \$4.00, without bucket.

## The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

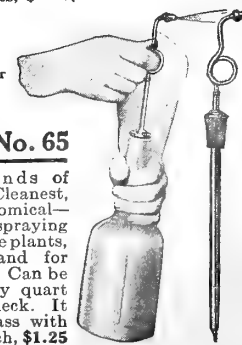
Price, galvanized iron reservoir, \$5.00, with Auto Pop \$5.75; solid brass reservoir \$7.50, with Auto Pop \$8.25. Extension rods, 2-ft. lengths, 50c. Two-row attachments, \$1.35.



Bottle Sprayer

## Bottle Sprayer No. 65

Adapted for all kinds of spraying purposes. Cleanest, simplest and most economical—cannot be excelled for spraying vegetables, shrubs, house plants, sprinkling clothes, and for spraying disinfectants. Can be used with any ordinary quart bottle having a small neck. It is made entirely of brass with brass valves. Price, each, \$1.25



## The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each 65c

## 0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose, shut-off cock, Star spray nozzle and shoulder strap. Ea., \$6.50.

## INSECTICIDES AND FUNGICIDES

**Ant Exterminator.** A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Box, 25c; by mail, 35c; smaller size, 15c. Not sent outside states of Illinois and New York.

**Aphine.** A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Full directions on can; 1/2 Pt., 40c; 1 qt., 65c; gal., \$1.00; gal., \$2.50.

**Aphis Punk.** Special preparation of nicotine for killing insects. 12 sheets, 60c; 1 case, 12 pkgs., \$6.50.

**Arsenate of Lead.** Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.75; 50 lbs., \$9.00; 100 lbs., \$17.50.

**BLACK LEAF 40,** is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only, directions must be followed carefully: 1 oz. bottle 25c, makes 5 to 10 gallons; 1/2 lb. can, makes 40 to 100 gallons; 2 lb. can, \$2.50, makes 200 to 500 gallons; 10 lb. can, \$10.75, makes 840 to 2100 gallons.

**Bordeaux Mixture.** (Liquid or Paste). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. 1 qt., 50c; gal., \$1.35; 5 gals., \$6.50. (Dry.) Ready for use by simply adding water. For potatoes use 4 to 5 lbs. per acre according to size of vines. For fruit trees, 1 lb. to 15 or 20 lbs lime dust. Lb., 30c; 5 lbs., \$1.25; 25 lb. keg., \$5.25.

**Carbon Disulphide.** For ants and cutworms. Lb., 45c; 1/2 lb., 25c.

**Fir Tree Oil Soap.** For thrip, red spider, black and green fly, mealy bug, worms. Dissolve 1 oz. in 1 gallon water. Apply with syringe or sponge. 1/2 lb. tin, 25c; 2 lbs., 75c.

**Fish Oil Soap.** (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark. Dissolve 1 lb. in 1/2 gal. hot water, then add 10 gal. cold water. Lb., 20c; 2 lbs., 35c; 5 lbs., 75c.

**Fungine.** New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. Full directions on can. 1 pt., 65c; 1 qt., \$1.25; 1 gal., \$3.50.

**Flowers of Sulphur.** Used for dusting and fumigating, checks and prevents mildew. Lb., 10c; 10 lbs., 75c; 25 lbs., \$1.50.

**Grape Dust.** Excellent for the prevention and destruction of mildew on plants. Lb., 10c; 5 lbs., 45c; 10 lbs., 75c.

**Horcum.** Sulphur, Lime, Salt, etc., in such proportions as to make an effective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. Qt., 35c; gal., \$1.00; 5 gals., \$4.50. Write for barrel prices.

**Hellebore, Powdered White.** Less poisonous than Paris Green and safer to use where fruit is nearly ripe. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25.

**Kerosene Emulsion.** One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphids, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. 1 part to 20 parts water. For use in soil never make it weaker than 1 in 10. Qt. 40c; 1 gal., \$1.00; 5 gal. \$4.50.

**Lemon Oil.** Destroys mealy bug, scale, thrip, red spider, etc. Full directions on can. 1/2 pt., 25c; pt., 40c; qt., 75c; 1/2 gal., \$1.25; 1 gal., \$2.00.

**Lime-Sulphur.** The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Qt. can, 40c; 1 gal., \$1.00; 5 gal. can, \$4.00.

**Nico-Fume.** Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for house 100 feet long by 20 feet wide. 24 sheets, 85c; 144 sheets, \$4.00; 288 sheets, \$7.50.

**Nico-Fume Liquid.** For fumigating or spraying; contains 40 per cent nicotine. 1/4 lb., 50c; 1 lb., \$1.50; 4 lbs., \$5.50; 8 lbs., \$10.50.

**Nicotide.** Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 ozs., 70c; 1/2 pt., \$1.25; pt., \$2.50; qt., \$4.50; 1/2 gal., \$8.25; gal., \$15.00. Fumigator for above, 75c.

**Nicoteen.** Use same as Nicotide. 2 oz., 40c; 1/2 pt., 85c; pt., \$1.50; 3 pts., \$4.25; original case, (10 pints) \$13.00.

**Paris Green.** A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. 1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 60c; 5 lbs., \$2.65; 14 lbs., \$7.00.

**Pyrox.** Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. 1 lb. will make 6 gals. of spray for general purposes, or 10 gals. for stone fruit. Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$4.00; 50 lbs., \$7.50; 100 lbs., \$13.50.

**Scalecide.** Oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt. 40c; gal., \$1.25; 5 gals., \$4.00; 10 gals., \$7.00.

**Slug Shot, Hammond's.** Destroys potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb. carton, 15c; 5 lbs., 45c; 25 to 50 lbs. at 6c per lb.; keg of 125 lbs., net \$7.25; barrel in bulk, 250 lbs., \$14.00.

Insecticides in small quantities can be sent by Parcel Post, a small extra charge being made for packing. Weights when packed are: 1/2 pint, 1 lb.; 1 pint, 2 lbs.; 1 quart, 3 lbs. No poisonous insecticides sent by mail.

**Slug Shot Duster.** Each, 40c.

**Solution of Copper.** For trees, vines or vegetables affected with rot, blight or scab. Use 1 qt. to 25 gals. water. Pt., 40c; qt., 65c; gal., \$2.00.

**Sulphate of Iron.** A remedy for weeds on lawns, kills dandelions without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25.

**Sulpho Tobacco Soap.** One of the best remedies for green fly on roses. Dissolve 2 oz. in 1 gal. hot water. 8 oz. box, 20c; by mail, 25c; 3 gal. pkg., 10c; by mail, 12c.

**Thrip Juice.** For mealy bug, scale, thrip, codling moth, canker worms, beetles, caterpillars, etc. 1 part to 40 parts water. Stir well. Apply with syringe or spray. Pt., 65c.

**To-bak-ine.** Strong Nicotine preparation. 1 pt., \$2.50; 1/2 gal., \$9.00; 1 gal., \$17.50.

**Tree Tanglefoot.**

Perfect safeguard for trees against gypsy, browntail and tessock moths, canker worm, cut worms, ants, and other insects. 1 lb. can, 35c; 3 lb., \$1.00; 10 lbs., \$3.00.

**Tobacco Stems.** For fumigating. 5 lbs., 20c; per 100 lbs. \$1.90.

**Tobacco Dust.** Remedy for aphids, fleas, beetles, etc. Lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 100 lbs., \$3.50.

**Vermine.** The best soil sterilizer for greenhouse, garden or field, thoroughly rids the soil of wire worms, slugs, lice, ants, etc. Mix with 4 parts of water and soak the ground. Qt., \$1.00; gal., \$3.00.

**Worm Eradicator.** Electric destroyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass, use 1 or 2 ounces to 1 gal. of water. 4 oz. bottle, 25c; 8 oz., 50c; 24 oz., \$1.00; 48 oz., \$2.00; 1 gal., \$4.00; 5 gals., \$17.50.

**Weed Exterminator.** Herbicide for use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water. 1 qt., 50c; 1 gal., \$1.50; 5 gal., \$5.50.

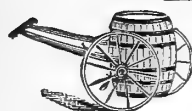
**Weed Killer, Eureka.** A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under control the whole season. All who have used this preparation praise it highly. Large size tin, enough for 100 square yards of path, \$1.25; 12 lb. tin, \$3.75.



### WATER BARREL, HAND CART,

#### LEAF RACK

Adjustable to One Truck



**Water Barrel.** Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles.

Price, Barrel with trunnions, \$3.50

Springer attachment for barrel \$4.00. (Truck extra)

**Hand Cart.** Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23 1/2 inches; depth, 8 inches. Price \$4.00. (Truck extra).



**Leaf Rack.** Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 ins., and is 21 ins. deep.

Price \$7.00. (Truck extra).

#### HOT BED MATS



**Burlap Mats.** lined, waste wool and cotton quilted. Size A, 40x76 in., \$1.60 each; per dozen, \$16.25. Size B, 76x76 in., \$2.35 each; per dozen \$27.00.

**Duck Mats.** Same as above, with water-proofed duck on one side to shed rain. Size C, 40x76 inches, \$2.00 each; per dozen, \$22.00. Size D, 76x76 inches, \$2.90 each; per dozen, \$30.00.

### HOT BED MATS—Continued.

**Rattan Mats (Singapore Fibre).** Mouse and rot proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on the market. 6 ft. 2 in. long by 6 ft. wide. Each, \$2.50; dozen, \$27.00.

**Straw Mats.** Ryestraw, 3x6 ft., each \$1.50; dozen \$17.00. Same mat, 6x6 ft., each \$2.70; dozen \$30.00.

#### "ILLINOIS" SELF-WATERING

#### FLOWER BOXES



Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

8-in. deep, 9 1/2-in. wide, (except No. 0, 6-in. deep, 6-in. wide).

No.	Length	Price	No.	Length	Price
0.....	16 in.	\$1.00	6.....	33 in.	\$2.35
1.....	23 in.	1.60	7.....	35 in.	2.50
2.....	25 in.	1.75	8.....	37 in.	2.65
3.....	27 in.	1.90	9.....	39 in.	2.80
4.....	29 in.	2.05	10.....	41 in.	3.00
5.....	31 in.	2.20			

**Illinois Junior.** Slightly lighter steel, otherwise same as above.

8 in. wide, 7 in. deep.	24 in. long.....	\$1.40
	30 in. long.....	1.65
	36 in. long.....	1.95

### PORCH BOXES

Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like the old wooden boxes, and only require watering every 10 days.

No.	Length	Price	No.	Length	Price
9 in. deep, 12 in. wide.			8 in. deep, 12 in. wide.		
21.....	37 in.	\$3.25	24.....	49 in.	\$4.25
22.....	41 in.	3.65	25.....	53 in.	4.50
23.....	45 in.	4.00			

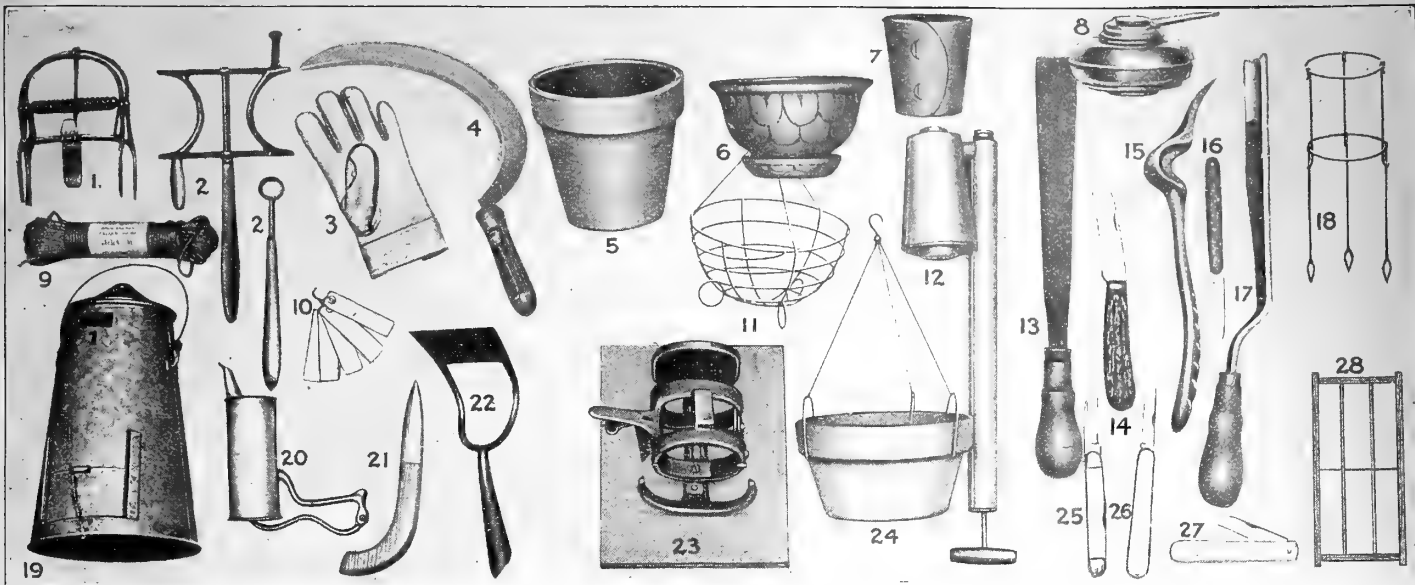
#### HANGING BASKETS

(Self-Watering)



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
8.....	6 in.	8 in.	\$1.00	12.....	8 in.	12 in.	\$1.50
10.....	7 in.	10 in.	1.25	14.....	9 in.	14 in.	1.75



# Vaughan's Garden Tools and Requisites

**ASBESTOS TORCHES.**—each, 40c; handles, 15c extra (at New York only).

**ASPARAGUS BUNCHER.** (Fig. 23). Each, \$2.00.

**BASKETS**—Wire Hanging. (Fig. 11). Each, 6-in., 10c; 8-in., 15c; 10-in., 20c; 12-in., 25c. 14-in., 35c; 16-in., 45c.

**Earthenware Hanging.**—Terra Cotta. (Fig. 6). Saucer attached without hanging wire.

Each Doz.	Each Doz.
7 in. .... \$0.25 \$2.50	8 in. .... \$0.30 \$3.00
9 in. .... .35 3.50	10 in. .... .45 5.00
12 in. .... .60 6.00	

**BELLOWS**—Used for dusting plant with sulphur or like material. Three sizes. Each, \$1.15, \$1.40 and \$1.65.

**BOXES**—Cut Flower.—Vaughan's "Green" Grade Green lined, moisture-proof board. Very popular

Size	Weight	Per	Size	Weight	Per
inches per 100	100	inches per 100	100		
3 x16x4	33 lb.	\$4.10	3 1/2 x21x7	65 lb.	\$6.40
3 x18x5	40 lb.	4.60	3 1/2 x30x5	75 lb.	6.95
3 x21x5	45 lb.	4.85	4 x24x8	85 lb.	7.60
3 1/2 x24x5	60 lb.	6.15	5 x28x8	105 lb.	9.65
3 1/2 x18x6	55 lb.	5.90	5 x36x8	135 lb.	13.25

**CARNATION SUPPORTS.** (Fig. 18). Model; wire, 2 rings. Doz., 85c; 100, \$5.85.

**CARNATION SUPPORTS.**—Common Sense.—Has a 24 inch Galvanized Stake that will hold 1-4 Rings. The anchor or foot holds the Support erect and firm. 2 Ring supports, doz., 75c, per 100 \$4.35; 3 Ring, doz., 85c, per 100 \$5.00.

**DANDELION PULLER.**—The Vaughan. (Fig. 15). Made of best steel, after an English pattern; 13 1/2 in. long, weight 12 oz. Each, 50c.

**DANDELION KILLER.**—Ideal. A tube 1 1/2 in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelion. Each, \$1.00.

**DIBBER.** (Fig. 21). For transplanting vegetable plants; steel point. Each, 35c; (weight 10 oz.)

**DUSTER.**—Lowell. (Fig. 12). Each, 75c.

**Little Giant.**—The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Price, \$6.50.

**FORK.**—Digging or spading 4 tines. Each, 85c.

**FUMIGATORS.**—Eureka (Galvanized). (Fig. 19). No. No.

1 For 1/2 pk. of stems, \$1.50 2 For 1 pk. of stems, \$2.00  
3 For 1/2 bu. of stems, 2.75 4 For 3/4 bu. of stems, 3.50

**GARDEN LINE REEL.**—Each, 65c, (weight 2 lbs.)

**GARDEN LINE.**—(Fig. 9). Each heavy braided. Per 100 feet, 85c; by mail, 95c.

**RED DEVIL GLASS CUTTER.** Each, 25c.

**GLASS CUTTER DIAMOND.** Each, \$5.00

**GLAZING POINTS.**—Vaughan's Perfection No rights or lefts; No. 2, small, single thick glass; No. 1, large, single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1,000, 70c; by mail, 85c.

**Siebert's Improved.**—Easy to drive, and will not wedge or crack glass, 2 sizes, 3/4 and 1/2-inch long. Price per lb., 60c.

**GLOVES.**—Gardener's. (Fig. 3). Heavy Goat-skin. Per pair, \$1.50.

**GRASS HOOKS or Sickles.**—(Fig. 4). English. Riveted backs, each, 75c.

**GRAFTING WAX.**—Per 1/4 lb. bar, 12c; 1/2 lb. bar, 20c; 1 lb. bar, 35c.

**HOE.**—Draw or Field. Socket handle. Each, 50c.

**Combination Draw and Rake.** 4 1/2-inch cut and 4 teeth. Each, 50c; 6 1/2-inch cut and 6 teeth, 60c.

**English Scuffle or Push.** (Fig. 22). 6-inch, 70c; 8-in., 80c; 10-in., 90c.

**Prong Hoe or Potato Hook.** Four tines 65c.

**Warren.** Best Garden Hoe made. Each 85c.

**KNIVES.**—Asparagus. Straight Cut. (Fig. 13). Each, 45c; by mail, 50c.

**Asparagus.** Concave. (Fig. 17). Each, 50c; by mail, 55c.

**Budding.** (Fig. 26). Ivory handle. Each, \$1.50. by mail, \$1.55.

**Budding Knife.** English, 2 blades. No. 166. Each, \$1.60; by mail, \$1.65.

**Propagating.** Ivory handle. Each, \$1.50; by mail, \$1.55.

**Propagating.** (Fig. 16). "The Vaughan," best of all. Each, 75c; by mail, 80c.

**Pruning.** (Fig. 14). Stag handle, English. Each, \$1.50; by mail, \$1.55.

**Potato Knife.** "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, 30c; 3 for 75c.

**LABELS.**—Zinc Tree. Wired 3 3/4 inches long, 3/4 inch wide. Price per dozen, 25c; 100, \$1.90.

**Wooden.** For pots, painted.

100	1000	100	1000
4 in. .... \$0.15 \$1.10	6 in. .... \$0.30 \$1.85		
5 in. .... .25 1.60	12 in. .... .85 7.50		

**Tree, Copper Wired.** 3 1/2 in. .... .25 1.60

**Copper.**—Indestructible. Small, 25c doz.; 100, \$1.95; large, 30c doz.; 100 for \$2.35.

**Cypress.**—For use outside, will last for years, 16x1 1/2 in. Doz., 35c; 100 for \$2.50; 18x2 in., doz., 45c; 100 for \$3.25.

**Iron Age.**—Galvanized iron. The reading is protected by a sheet of mica. Each, 20c; doz., \$2.00; 100 for, \$15.00.

**LEAF MOLD.**—For potting ferns and like plants. Bbl., \$2.50.

**MATS.**—See page 152.

**MASTICA.**—For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$1.75.

**MASTICA MACHINE.** (Fig. 20). For applying above. Each, \$1.50, (weight 1 1/2 lbs.)

**MOLE TRAP.**—Out O'Sight. (Fig. 1). One of the best mole and gopher traps. Each, 85c.

**PAINT, Carbolonium.**—Used on labels, will preserve them for years. Gallon, \$1.25.

**PANS (Azalea).**—

Each	Doz.	Each	Doz.
6 in. .... \$0.10	\$1.00	9 in. .... \$0.28	\$3.00
7 in. .... .12	1.35	10 in. .... .38	4.00
8 in. .... .15	1.60	12 in. .... .60	

**PANS (Fern).**—

Each	Doz.	Each	Doz.
6 in. .... \$0.10	\$1.00	8 in. .... \$0.17	\$1.60
7 in. .... .14	1.35	10 in. .... .30	3.00

**PEAT.**—For potting orchids, etc. Per bbl., \$2.50.

**PEAT MUCK.**—For potting Azaleas. Bbl. \$2.00.

**PENCILS.**—Indelible. With tip. For marking labels. Each, 15c; doz., postpaid, \$1.50.

**PLANT BED CLOTH.**—For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 18c; heavy 28c; 60 to 100 yds. medium, per yd., 16c; heavy. 24c; not less than 20 yds. of a kind sold.

**POTS (Flower.)**

**RED CLAY POT.**—(Fig. 5). We pack these carefully but will not be responsible for breakage in transit.

Doz.	100	1000	Doz.	100	1000
2 in. .... \$0.17	\$0.80	\$6.65	6 in. .... \$0.80	\$5.25	\$....
2 1/2 in. .... .20	0.95	7.95	7 in. .... 1.35	8.15	
3 in. .... .27	1.35	10.90	8 in. .... 1.60	11.75	
4 in. .... .43	2.00	.....	10 in. .... each	.40	
5 in. .... .55	3.90	.....	12 in. .... each	.55	

**NEPONSET PAPER POT.**—(Fig. 7). Made of water-proof paper and are light, clean and unbreakable.

Per 100	1000	Per 100	1000
2 1/4 in. .... \$0.45	\$3.25	4 in. .... \$1.10	\$8.75
2 1/2 in. .... .55	3.75	5 in. .... 1.40	13.50
3 in. .... .70	5.85	6 in. .... 2.10	18.25
3 1/2 in. .... .85	6.90		

**POT HANGER.**—Kramer's. (Fig. 24). Converting flower pots into hanging baskets. Price, each, 15c; doz., postpaid, \$1.50.

**POWDER GUN.**—Jumbo. (Fig. 8). Each, 25c. small size, 15c; by mail, 20c.

**PUTTY.**—Twemlow's Old English.—Semi-liquid. Same as Mastic. Per gallon, \$2.10.

**PUTTY BULB.**—Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.00, (weight 1/2 lb.)

**RAKES.**—Steel Bow Garden. Best, does not break; 12 teeth, 60c; 14 teeth, 75c; 16 teeth, 90c.

**Garden.** 12 teeth, 50c; 14 teeth, 60c; 16 teeth, 75c.

**Lawn Rakes.**—See page 150.

**SEED SOWER.**—Cyclone. (New Improved Model).

An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each \$1.50

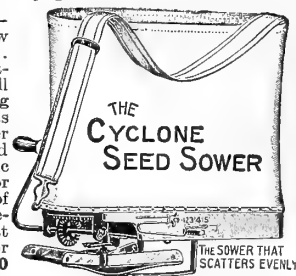
**SASH, HOTBED.**—(Fig. 28). Unglazed, 3x6 ft., for 3 rows, 10-inch single glass, each, \$1.60; 3 for \$4.50; doz., \$17.50. Glazed, each \$3.50; 3 for \$10.40; doz., \$41.00.

For 38 in. x 6 ft., for 4 rows, 8-inch single glass, Unglazed each, \$1.75; 3 for \$5.00; doz., \$18.50. Glazed, each \$3.60; 3 for \$10.70, doz. \$41.80.

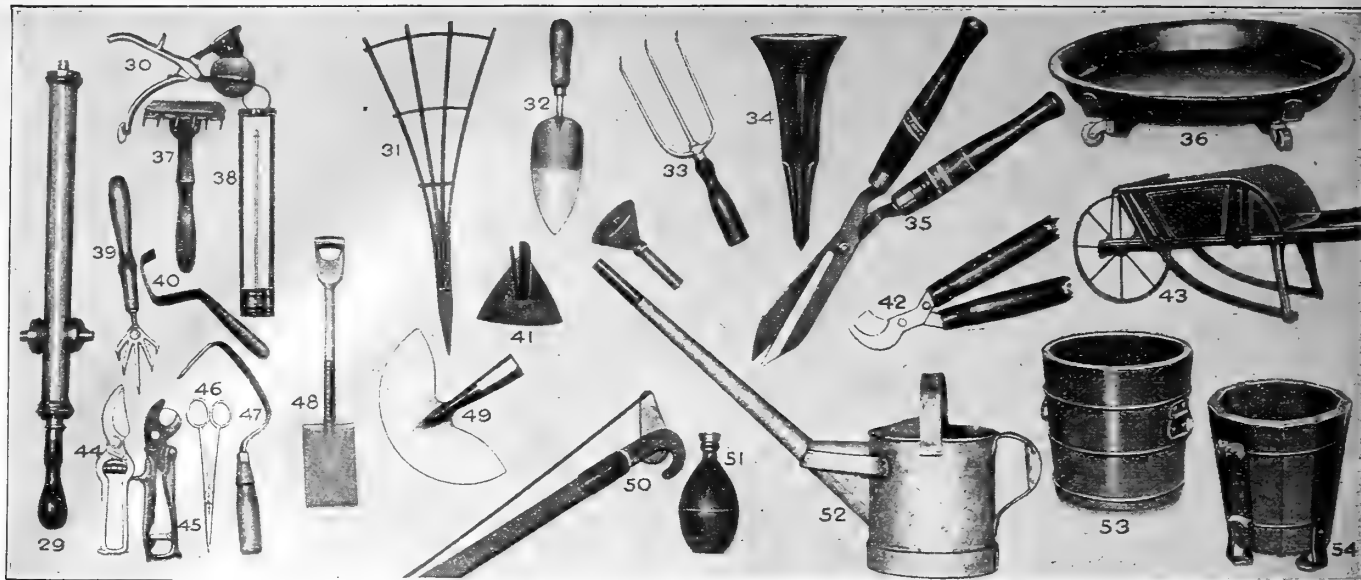
**Double Glass Sash.** 3x6 ft., for 3 rows 10 in. glass, unglazed, each \$2.35; 3 for \$6.95; doz. \$27.75. Glazed, each \$5.25; 3 for \$15.65; doz. \$61.50.

For 38 in. x 6 ft., for 4 rows 8 in. glass. Unglazed, each \$2.45; 3 for \$7.35; doz. \$28.95. Glazed, each \$5.35; 3 for \$15.95; doz. \$62.50.

Our sash are made of clear air-dried Cypress. Unglazed sash are not painted. Glazed sash are painted one coat.







## Vaughan's Garden Tools and Requisites—Continued

### SAUCERS.—Fibre, waterproof and unbreakable.

Each	Doz.	Each	Doz.
5 in. .... \$0.17	\$1.75	9 in. .... \$0.28	\$2.40
6 in. .... .20	1.90	10 in. .... .30	2.65
7 in. .... .22	2.10	12 in. .... .35	3.35
8 in. .... .25	2.35		

### SAWS—Double Edge Pruning. 16-inch, 85c; 18-inch, \$1.00; 20-inch, \$1.10. Weight 12 ozs.

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the tree. Each, \$1.75; extra blades, 25c.

### SCYTHES.—Blades. English Riveted Back, 30-inch, \$1.80; 36-inch, \$1.90; 40-inch, \$2.00.

Scythe Snath or Handle, with patent fastening, each \$1.10.

Scythe Stone, Natural each 10c; doz., \$1.00.

Carborundum each, 25c; doz., \$2.50.

### SHEARS.—Border. For trimming the edges of borders and walks. 9 inch, \$3.15; with wheel, \$3.40.

Hedge. (Fig. 35.) Best imported English.

8-inch, \$1.70; with notch, \$1.85

9-inch, 2.00; with notch, 2.15

10-inch, 2.30; with notch, 2.65

Notch at crutch of blades to cut small branches.

Lawn.—For cutting grass in places which cannot be reached by mower. Plain \$3.15; 2 wheels \$3.40.

Pruning. (Fig. 44.) 5½-inch, nickel-plated, \$1.10; 9 in., \$1.35. Extra Springs, each, 15c.

Pruning. Best grade, with double brass springs. Each, \$1.45.

Levin's Pruning. (Fig. 45.) One of the best pruning shears made. Each, 60c.

Sheep. With thumb guard. For trimming grass on edges and around flower beds. Each, 35c.

Sheep. Best quality steel, 6½-inch blade, \$1.25.

Buckeye Pruning. Long handle. Each, \$1.65; large size, heavier, \$1.90.

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, \$2.50.

Improved Wire. For cutting annealed wire. \$1.00.

SHOVELS.—Ames. D handle, round point. Ea. \$1.35.

Ames. Long handle, round point. Each, \$1.30.

Ames. D handle, square edge. Each, \$1.30.

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ¼ to ¾ inch. Each, \$1.25.

SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, 35c; bushel, \$1.00. Barrel, \$2.00.

SPADES.—Vaughan's. Special D handle. (Fig. 48.) Each, \$1.25.

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each 50c; by mail, 55c.

Scollay's Rubber. (Fig. 51.) Indispensable for Floral work. Large \$1.00; by mail, \$1.10; medium, 75c; by mail, 82c; small, 60c; by mail, 65c.

### STAKES—

Heavy Dahlia. 3 ft. .... \$0.90 \$6.50

Heavy Dahlia. 4 ft. .... 1.15 8.25

Heavy Dahlia. 5 ft. .... 1.30 10.00

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc.

Light Weight.

Per doz. 100

1½ ft. .... \$0.25 \$1.60

2 ft. .... .35 2.65

2½ ft. .... .55 3.50

3 ft. .... .65 4.50

### STAKES—Continued

Cane Stakes. 6 to 8 ft. long, \$1.00 \$ 7.00

Cane Stakes. 9 to 12 ft. long, extra heavy, 2.25 15.00

Bamboo Stakes. 4 to 6 ft. long, light Japanese cane, .85 7.00

Japanese Green Plant Stakes. Doz. 100 1000

1½ ft. .... \$0.15 \$0.55 \$4.50

2 ft. .... .20 .75 5.50

2½ ft. .... .25 .90 6.50

3 ft. .... .28 1.00 8.50

3½ ft. .... .30 1.15 9.00

4 ft. .... .32 1.20 10.00

Galvanized Wire Stakes.

No. 9 Per doz. 100 No. 8 Per doz. 100

1½ ft. .... \$0.15 \$0.85 3½ ft. .... \$0.35 \$1.85

2 ft. .... .20 .95 4 ft. .... .40 2.00

2½ ft. .... .25 1.15 5 ft. .... .45 2.50

3 ft. .... .30 1.50 6 ft. .... .55 3.00

STAND.—Rolling. (Fig. 36.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, 90c; 14-inch, \$1.00; 16-inch, \$1.25; 18-inch, \$1.50.

SYRINGES.—Brass. No. 0, 12½-inch spray for small greenhouses, \$2.00. (Weight, 2 lbs.)

No. 5. Greenhouse. 18-in., barrel, \$6.00. (wt. 3 lbs.)

English. (Fig. 29.) Brass, No. 11, 18-inch barrel with two different sprays and one stream, \$4.50. (Mailing weight, 3 lbs.)

THERMOMETERS.

Tin Case. (Fig. 38.) 8-inch, 25c; 10-inch, 30c.

Cabinet. Wood case, 50c; 3 for \$1.35.

Imported. All glass, very accurate for propagating and hot beds, 50c.

Hot Bed. Brass point, wooden frame, \$2.00.

Self Registering. With magnet to set it, 8-inch, each, \$3.00; registers highest and lowest temperature. Minimum for registering cold, \$2.00.

TOMATO SUPPORTS. Made of heavy galvanized wire, will last for years.

F. O. B. New York. Each, 20c; doz., \$1.75.

F. O. B. Chicago. Each, 25c; doz., \$2.00.

TREE IRRIGATOR—"Save Your Trees." A practical device for conveying water and fertilizer direct to the roots of trees. No obstruction to lawn or walk; not affected by frost. Each, \$2.25; per pair, \$4.00; 6 for \$10.50.

TRELLIS.—Wood. Fan Shape. (Fig. 31.) 18-inch, 20c; 3 for 50c; 24-inch, 30c; 3 for 75c; 30-inch, 35c; 3 for 100c; 36-inch, 60c; 3 for 150c; 3½ feet 21 inches wide, 70c; 4-feet, 27 inches wide, 85c; 5-feet, 32 inches wide, 95c; 6-feet, 38 inches wide, \$1.10; 7-feet, 42 inches wide, \$1.35.

Veranda. 18-inch wide; 5 feet, \$1.10; 6 feet, \$1.25; 7 feet, \$1.35; 8 feet, \$1.60; 9 feet, \$1.75; 10 feet, \$1.90.

TROWELS.—Vaughan's Steel. (Fig. 32.) One solid piece of steel and will outwear all others. Each, 60c; 3 for \$1.70. Postpaid, each, 70c.

Ordinary Garden. 6-inch, each, 15c; prepaid, 20c.

English Steel. 6-inch, each, 25c; prepaid, 35c.

Transplanting Trowel. Can be used either as a planter, dibber or weed digger, blade being deeply curved. 6-inch, 25c; postpaid, 35c.

TREE PRUNERS.—Waters'. (Fig. 50.) Length of pole, 4 feet, 60c; 6 feet, 85c; 8 feet, \$1.00; 10 feet, \$1.10; 12 feet, \$1.25.

Extra Knives. Each, 20c.

### TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils.

Prices F. O. B. Chicago or New York.

No. Each Four No. Each Four

1 6x6 \$0.35 \$1.30 9 14x13 \$1.10 \$4.00

3 8x8 .40 1.50 11 16x15 1.40 5.00

5 10x9 .50 1.80 13 18x17 1.80 6.60

7 12x11 .75 2.80 14 19x18 2.25 8.00

If handles are required add 15c per tub.

The first numeral is diam. at top; the second is depth.

Union Cypress. (Fig. 53.) These tubs made of ½-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No. Each 4 for

1—11½ in. diam., 12 in. high, \$1.00 \$3.60

2—12½ in. diam., 13 in. high, 1.25 4.50

3—14½ in. diam., 13½ in. high, 1.65 6.00

4—15½ in. diam., 15½ in. high, 2.00 7.50

5—18½ in. diam., 19 in. high, 3.00 11.00

6—19½ in. diam., 22 in. high, 3.75 13.00

Japanese Wooden Plant Tub. Outside measurements, 13½ in. high x 14½ in. wide. Inside measurements, 10½ in. high x 12½ in. wide. Finish natural. Each, \$1.00.

Dark Oak Stain with willow green enameled hoops. Each, \$1.25.

TURF EDGER.—American. (Fig. 49.) Each, 60c.

English. Imported steel blade, only \$1.25.

VASE.—Clara Cemetery. (Fig. 34.) Glass, 12-in., sharp pointed, 50c.

Fiber. For Cut-Flowers. Unbreakable.

9 inches deep, 4½ inches diam., \$0.65

10 inches deep, 5½ inches diam., .75

13 inches deep, 8 inches diam., .95

18 inches deep, 5½ inches diam., 1.15

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$1.90; 6 quart, \$2.25; 8 quart, \$2.50; 10 quart, \$2.75; 12 quart, \$3.00.

French Style. Oval, otherwise same make as above; 6 quart, \$2.50; 8 quart, \$2.75; 10 quart, \$3.00; 12 quart, \$3.25.

WEEDERS.—Combination. (Fig. 37.) Each, 25c.

Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled, 30c; long handled, 40c. (Mailing weight, ½ lb.)

Excelsior. (Fig. 39.) Each, 10c. (Mailing wt. 4 ozs.)

Lang's. (Fig. 40.) We find this by actual trial a real labor saver. Each, 20c. (Mailing weight, 4 ozs.)

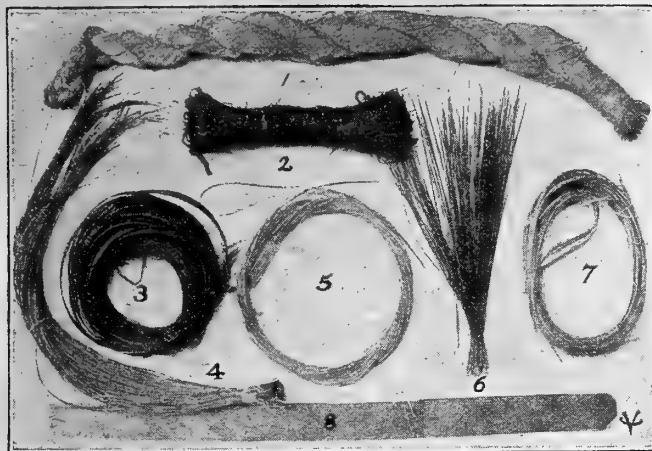
Hazeltine. (Fig. 47.) Each, 20c. (Mailing wt., 6 ozs.)

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, 35c. (Mailing weight, 12 ozs.)

Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, \$1.00.

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, \$4.50.

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each, \$5.00.



## MATERIALS FOR BASKET MAKING

- 1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass;  
5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

## RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, bunch (about 3 ozs.)	\$.10	Colored, per lb.	\$1.00
Natural, per lb., 30c; 5 lbs.	1.40	Mixed Colors, bunch (2 ozs.)	.10
Colored, bunch (about 1 1/4 ozs.)	.10	Mixed, per lb.	.60
Special White.	2 oz. bunch, 10c; 1 lb., 40c; 5 lbs., \$1.75		
Needles, for Raffia Work.	per package		.10

If to go by parcel post, include postage in remittance.

## REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

Sample card mailed upon request.

Bunch			½ Lb.	Lb.	Bunch			½ Lb.	Lb.		
No. 1....	\$0.10	.....	\$0.70	.....	\$1.35	No. 5....	\$0.10	.....	\$ .40	.....	\$0.73
No. 2....	.10	.....	.44	.....	.85	No. 6....	.10	.....	.40	.....	.72
No. 3....	.10	.....	.43	.....	.80	No. 8....	.10	.....	.38	.....	.70
No. 4....	.10	.....	.40	.....	.75	By parcels post, postage extra.					

By parcels post, postage extra.

## FLAT REEDS

3/4 inch. Bunch, 10c; 1/2 lb., 30c; 1 lb., 60c

## INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance.

Oz., 12c; 1/2 lb., 85c; 1 lb., \$1.60.

## INDIAN SPLINTS

Made from ash wood by the Indians. Six colors—green, pink, yellow, red blue and brown.

1/4 inch wide, per roll of 25 yards. \$0.20  
1/2 inch wide, per roll of 25 yards. .30

## BASKET BOOKS, Postpaid

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners	\$.025
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated.	1.00
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated.	.50
Indian Basketry. James. Cloth. 402 pages, illustrated.	2.50
More Baskets and How to Make Them. White. 157 pages.	1.00

## BASKETS

Assorted Kinds. From 20c to \$5.00 each; many fancy imported patterns to use effectively in the above work. Write for prices.

## FARM BOOKS

Alfalfa by F. D. Coburn	\$.50
Farm and Garden Rule Book by Bailey; cloth, 587 pages.	2.00
Farm Gardening and Seed Growing by Orange Judd.	1.00
Irrigation for the Farm, Garden and Orchard by Stewart.	1.00

Prices include postage.

"I cannot consider any seed after years of planting from any house but yours. I think it is 21 years since I first bought and used your seeds and they have always given the best satisfaction. Nothing better."

MRS. M. C. RICHARDS, Aurora, Ill.

## BOOKS

Prices quoted below include postage, and are subject to change without notice.

Alfalfa. F. D. Coburn. Illustrated. Cloth; 164 pages.	\$.50
American Garden Book (In German). Hans Buschbauer. Cloth; 504 pages	2.00
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages	.50
Asparagus Culture. Barnes & Robinson	.50
Berry Book, The Biggle. Cloth; 126 pages.	.50
Bulbs and Tuberous Rooted Plants. Allen. Cloth.	1.50
Cabbage and Cauliflower. By Allen. Cloth.	.50
Carnation Culture. L. L. Lamborn. Cloth; 175 pages.	1.50
Carrots and Mangels. Gregory. Paper.	.30
Celery Manual. Vaughan's. Paper.	.25
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages.	.50
Commercial Carnation Culture, J. Harrison Dick. Illustrated. 260 pages, 12 mo.	1.50
Cook Book. Vaughan's Vegetable. Paper, 25c; cloth.	.40
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth; 587 pages.	2.00
Farm Gardening and Seed Growing. By Orange Judd.	1.00
Fertilizers. By Prof. E. B. Vorhees. Cloth; 335 pages.	1.50
Fertilizers. Gregory. Paper.	.50
Floriculture. Practical. Henderson. Cloth; 320 pages.	1.50
Flower Bulbs. By Rexford. Practical and valuable.	.25
Forcing Book, The. By Prof. Bailey. A manual of the cultivation of vegetables in glass houses. 86 illustrations. Cloth; 266 pages.	1.25
Fumigation Methods. Prof. Johnson. Illustrated. Cloth; 309 pages.	1.00
Fruit Garden. Barry's. Cloth; 505 pages.	1.50
Fruit Growing, The Principles of. L. H. Bailey. Cloth; 514 pages.	1.75
Fruit Growing, Amateur. (Small Fruits.) Green Paper; 137 pages.	.25
Fruit Harvesting, Storing and Marketing. By F. A. Waugh.	1.00
Gardening for Pleasure. Henderson. Cloth; 398 pages.	1.50
Gardening for Profit. Henderson. Latest edition. Cloth; 369 pages.	1.50
Garden Making. By Prof. Bailey. Illustrated. Cloth; 411 pages.	1.50
Gardener's Calendar. Vaughan's.	.25
Ginseng, Its Cultivation, Harvesting, Marketing. Cloth; 40 pages.	.50
Gladiolus Book, The. See below	1.25
Grape Culturist. Fuller's. Cloth; 150 illustrations.	1.50
Grape Growing and Wine Making. G. Husmann. Cloth; 265 pages.	1.50
Greenhouse Construction. L. R. Taft. Illustrated. Cloth; 208 pages.	1.50
Greenhouse Management. L. R. Taft. Illustrated. Cloth; 375 pages.	1.50
Handbook of Plants. Henderson's. Cloth; 525 pages.	3.00
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New Onion Culture. By Greiner. Cloth; 110 pages.	.50
Onions, Treatise On. By Gregory. Paper; 66 pages.	.30
Orchids. By Jas. O'Brien. Present-day gardening series, with 8 colored plates.	.65
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Plant Culture. By Geo. W. Oliver, Propagator in the Bureau of Plant Industry, Dept. of Agriculture, Washington, D. C. 312 pages.	1.50
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Potato, The. See below	2.00
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Strawberry Culture, A B C of. Terry. Paper; 232 pages.	.50
Sweet Potato Culture. J. Fitz. 86 pages. Cloth.	.50
Tobacco Culture. Paper; 50 pages.	.25
Tomato Culture. A. I. Root. Paper; 150 pages.	.40
Vegetable Gardening, Principles of. L. H. Bailey. Cloth; 450 pages.	1.50
Vegetable Gardening. Prof. Green. Cloth; 243 pages.	1.00
Vegetable Garden. Vaughan's. Paper.	.10
Vegetable Garden, The. Vilmorin's. Illustrations, Descriptions and Culture of Garden Vegetables. Authoritative. Cloth; 782 pages.	6.00
Violet Culture, Commercial. B. T. Galloway. Cloth; 240 pages.	1.50
Water Gardening. Peter Bisset. Illustrated. 200 pages.	2.50
Window Flower Garden. Heinrich's. Illustrated. Cloth.	.50
Woman's Hardy Garden, A. Illustrated. Cloth; 205 pages.	1.75

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By Prof. Bailey. The most up-to-date book on general gardening. Postpaid. \$1.50

## The Book of Gladiolus

Complete and authoritative work on this most popular flower; clear and concise. Written by Matthew Crawford and Dr. W. Van Fleet. Fully illustrated. 120 pages. Cloth. \$1.25

## The Potato

Grubb and Guilford. An authoritative work strongly recommended by the U. S. Dept. of Agriculture. Cloth. \$2.00

## Gardening

Conducted by Practical Gardeners. Issued twice a month. Price, \$2.00 per year. Send us your subscription. The best paper for Amateur and Professional Gardeners.



Double and  
Single  
Wheel Hoes

# IRON AGE

Hill and  
Drill  
Seeders

We are Special Chicago Agents for Iron Age Tools.

When you made a garden in the old way, you had to be very fond of it, to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using "IRON AGE" Wheel Hoes and Drills. With the Wheel Hoes, you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the Drills, you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. A woman, boy or girl can easily operate any "IRON AGE" garden tool. They are indispensable in small gardens as well as large.

More than 25 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete adaptable tools—the kind you don't want to part with after you have once used them and know what they will do for you.



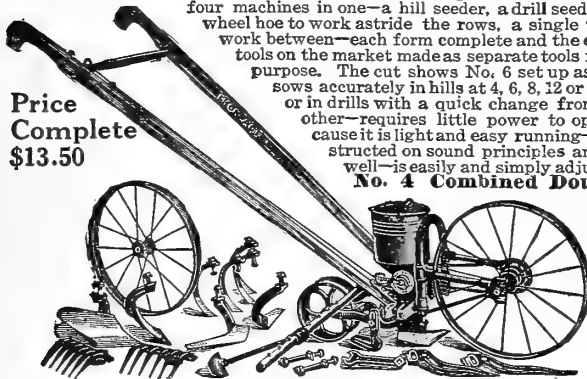
Transportation charges prepaid to any railroad stations in the United States within 500 miles of Chicago or New York, on order for seeds and tools amounting to \$7.50. (Seeds not prepaid unless so offered on other pages.)



## No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

The most practical and complete garden tool on the market—four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each form complete and the equal of any tools on the market made as separate tools for separate purpose. The cut shows No. 6 set up as a seeder—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills with a quick change from one to the other—requires little power to operate it because it is light and easy running—is well constructed on sound principles and will wear well—is easily and simply adjusted.

No. 4 Combined Double and Single Wheel Hoe, and Drill Seeder is like No. 6 except it sows in drills only and has a different plow. Price, \$12.25.

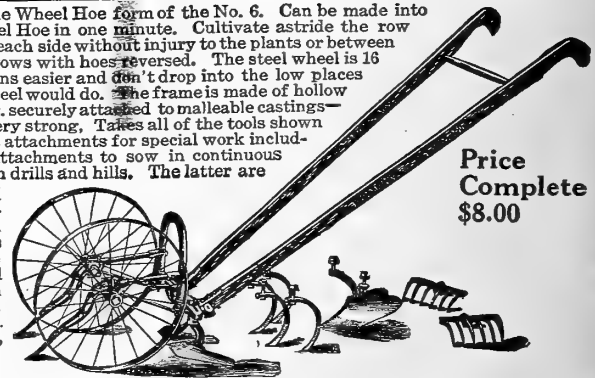


Price  
Complete  
\$13.50

## No. 1 Combined Double and Single Wheel Hoe.

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are

\$4.50 and \$5.50 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. Price, \$5.00.



Price  
Complete  
\$8.00

## No. 20 Single Wheel Hoe.

Thin Wheel Hoe form of No. 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. Price, \$4.50.



Price  
Complete  
\$7.00

## No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6, except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16.

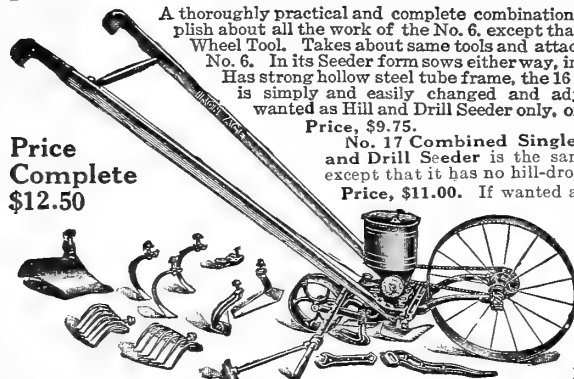
Price, \$9.75.

No. 17 Combined Single Wheel Hoe and Drill Seeder is the same as No. 15 except that it has no hill-dropping device.

Price, \$11.00. If wanted as Drill Seeder only, order No. 18.

Price, \$8.50.

Special pattern for planting big onions and sets—No. 018 B. Price, \$10.00.



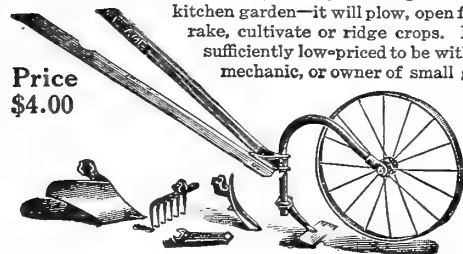
Price  
Complete  
\$12.50

## No. 12. Wheel Plow and Cultivator.

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to

invest in tools, or time to spare for anything but straight ahead cultivation.

No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only—a good tool to turn over the soil in the chicken yard. Price, \$3.00.



Price  
\$4.00

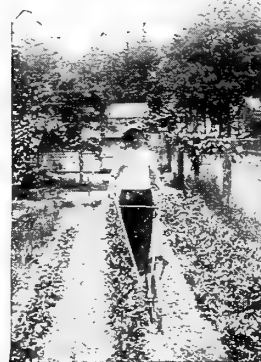
## No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side, or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe.

When thus attached it makes a complete practical tool at small expense.

If wanted complete with frame wheel and handles. Price, \$9.00.



Price,  
Attach-  
ment,  
\$5.00.

ALL ABOVE PRICES ARE NET.



**No. 19C Wheel  
Cultivator and  
Plow**

**Price  
No. 19C  
\$4.00**

24-inch Wheel  
Steel Frame;  
Adjustable  
Handles.

# IRON AGE

**SPECIAL DELIVERY**

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make **QUICK SPECIAL DELIVERY** of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

**No. 9 Single Wheel Hoe,  
Cultivator, Plow  
and Rake**

For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on

**Price  
Complete  
\$6.00**

each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished.

**No. 10 Wheel Hoe—  
A Good Tool With Which to Work Onions**

This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

**No. 18B  
Iron Age Drill**

is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows. This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18B, \$8.50.

Price No. 10—\$3.50.

**No. 22 Combined Fertilizer Distributor,  
Hill and Drill Seeder**

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

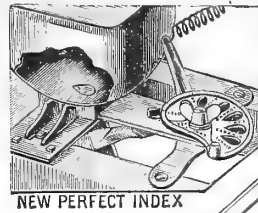
**Price  
Complete  
\$20.00**

**Note: New Line of  
IRON AGE BARREL SPRAYERS**

Is shown on page 151

**Farm and Garden Implements**

Ask for 1917 Booklets. Sent Free.



NEW PERFECT INDEX

**New  
Model  
Seed  
Drill**

Popular with seedsmen and market gardeners.

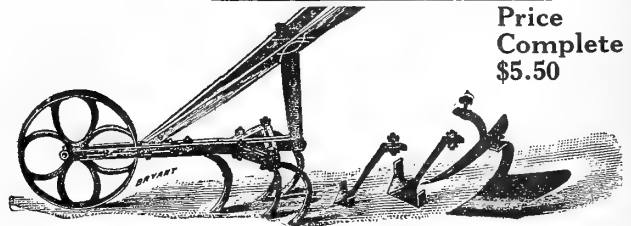
Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

**New Model  
Seed Drill**

**Price  
Complete  
\$9.00**

**"Gem" Single Wheel Garden Hoe.**

**Price  
Complete  
\$5.50**

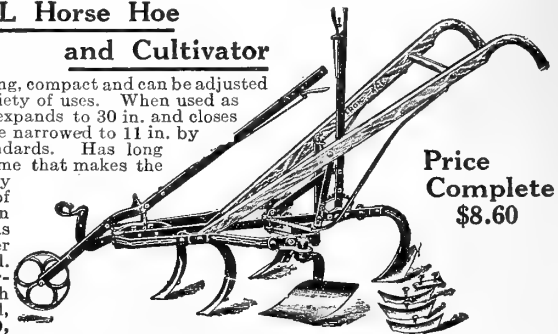


A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

**No. 600EL Horse Hoe  
and Cultivator**

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price, \$8.00, or with plain wheel and without lever expander, Price, \$7.00.

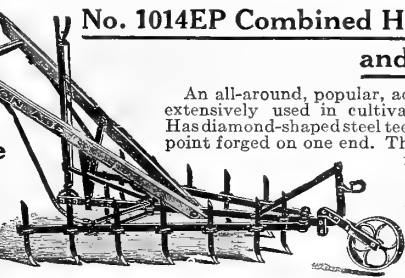
**Price  
Complete  
\$8.60**



**No. 1014EP Combined Harrow  
and Cultivator**

**Price  
Complete  
\$6.90**

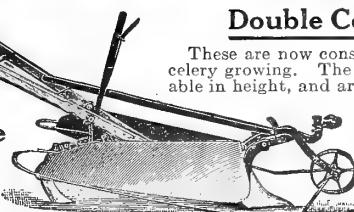
An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, \$6.25.



**Double Celery Hiller**

**Price  
Complete  
\$15.00**

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 in. long adjustable in height or width as wanted.



ALL ABOVE PRICES ARE NET.

# VAUGHAN'S POULTRY DEPARTMENT

## PRAIRIE STATE INCUBATOR

The Prairie State stands as the criterion in modern incubator construction and design.

As evidence of the adaptability of Prairie State Incubators—their latitude of efficiency under any conditions and in any climate—we refer to their equally successful operation in the heat of the West Indies and the Tropics, or in the cold rugged climate of northern Canada.

They are constantly in use in Australia, South Africa, and in every part of the United States, in Florida, and along the Gulf Coast, where humidity is high and where it is low, and likewise in the highest and driest elevations of the Rocky Mountains.

Their construction is such as to make them of highest utility in any ordinary room in summer or in winter, without artificial heat in the coldest weather.

The Prairie State Incubator case is insulated, heavy and permanent. The heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.



**PRAIRIE  
STATE  
No. 1  
150 Eggs  
\$25.00**

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market today.

An efficient, gas-tight heater of absolutely new design, approved by the National Board of Fire Underwriters, inspected by their authorized inspectors, and labeled by the Underwriters Laboratories, renders every Prairie State Incubator **INSURABLE** in any location without increased insurance rates. This heater supplies a constant current of warm fresh air to the upper part of the case which is distributed by patent metal radiator, inducing circulation and distributing warm air to the cold parts of the machine by means of eddy-currents, with consequent uniform distribution under great ranges in temperature. The method insures proper temperatures and proper ventilation, air being applied at about the rate of ten cubic feet per minute.

No. 0—100 eggs, 135 lbs. crated, price.....**\$21.50**  
No. 1—150 eggs, 150 lbs. crated, price.....**25.00**  
No. 2—240 hen eggs, 225 lbs. crated, price.....**35.00**  
No. 3—390 hen eggs, 325 lbs. crated, price.....**40.00**

### Prairie State "Keystone" Incubator

A reliable, durable, thoroughly practical and satisfactory machine in every way. The case is substantially constructed to withstand all outside atmospheric and temperature change. The hot air heating system gives the very highest efficiency, supplying all parts of the machine with pure warm air while an accurate and sensitive regulator absolutely prevents overheating. Very simple and economical, and a most desirable machine for hatching chicks for one's own use. Made in 2 capacities:

No. 0—Keystone, 60 hen eggs; 60 lbs. crated, price.....**\$12.00**  
No. 1—Keystone, 100 hen eggs; 80 lbs. crated, price.....**15.00**

### Prairie State Universal Hovers

This device is what is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions, the hover can be used in any style of a box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with bottom heat.

Hover with lamp case, smoke conductor, lamp and thermometer.....**\$7.00**  
(When used indoors alone, lamp case is not required.)

Hover and lamp with smoke pipes.....**7.00**  
With regulator attached \$1.00 extra.

### Prairie State Portable Hover

An all-metal, asbestos-lined hover, complete with thermometer and regulator.  
No. 1—Capacity 65 to 100 chicks, 50 lbs. crated, price.....**\$10.00**

### Prairie State Combination Colony Brooders

These brooders are made in three sizes, designated as Numbers 1, 2 and 3 giving a choice of floor space of 18, 12½ and 9 square feet respectively. They offer sufficient scope for almost any flock of ordinary size. The two larger sizes are two-compartment brooders having nursery room with hover separated from scratch room or sun parlor by a one inch partition with low wide door at bottom and slit cotton velvet curtain which gives the chicks easy access to or from either room. The number 3 brooder has both scratch room and nursery in one compartment. In all three brooders the floor is 6 inches from the ground, making it dry and warm.

No. 1—(outdoor) weight, crated, 300 lbs.....**\$22.00**  
No. 2—(outdoor) weight, crated, 208 lbs.....**18.00**  
No. 3—(outdoor) weight, crated, 150 lbs.....**15.00**

Heat regulator attached to any of the above brooders \$1.00 extra

### Prairie State Stove Brooder

This most modern of all brooding equipments has been developed to meet the demand of very recent years, for a device adaptable to the rearing of large flocks, from 250 to 1000 or more, which should be at once light in weight, indestructible, safe, sanitary and portable. It is not an ill-conceived make-shift, hurriedly marketed to meet a passing demand, but a thoroughly reliable brooder.

It is a solid cast iron stove resting firmly on its base with no legs to form a hot space under which chicks might crowd and be burned. The stove contains no sheet iron. Fresh air enters at base on a level with grate and draft is controlled by a sensitive, accurately balanced, triple-control regulator with wafer thermostat, all working parts being located under the canopy and so protected. The canopy is 52 inches in diameter, reinforced and hinged in the center, permitting the front half to be raised and hooked to chimney.

Gross weight 245 lbs. Each **\$30.00**.

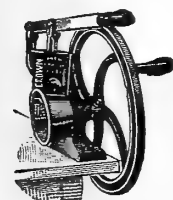


HOUDANS

### POULTRY SUPPLIES

#### BONE CUTTERS

**Humphrey's Bone Mill.** Open hopper. Four cutting knives. Very reliable machine; simple, durable and economical, easy to clean, and not liable to get out of order.



**Crown Bone Cutter** nominal, and easily operated Without stand, \$5.00; weight 33 lbs. With stand, \$7.00; weight 64 lbs. Diameter of hand wheel 22 inches.

**Wilson No. 0 Grist Mill** will grind or crack all kinds of grain. Without stand, weight 30 lbs. Price \$5.00. With stand, weight 60 lbs. Price, \$7.00.

**Humphrey Clover Cutter.** Balance wheel makes work easy. Price **\$10.00**.

### PRICES OF STOCK FOR BREEDING Furnished on Application.

**Caponizing Sets.** Book of Instructions with every set. Philadelphia Caponizing Set, complete, \$2.50. Farmer's Caponizing set, complete, \$3.00. Special Caponizing set, complete, mailing weight 8 ozs., \$4.00.

**Success Whitewash and Spray Pump.** Price, complete, \$4.00.

**O-2, Whitewash Sprayer.** Compress Air. Price, \$6.50.

**Spring Lever Poultry Punch.** Best punch made. Price, postpaid, 27c.

**Leader Adjustable Leg Bands.** Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

**Improved Champion Leg Bands.** Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

**Smith Sealed Leg Bands.** Prices, doz., 30c; 25, 50c; 50, \$1.00; 100, \$1.50.

**Sealers.** For Smith-sealed Leg Bands, mailing weight 5 ozs. Prices, plain, 50c; nicked, 75c.

**Wire Hen Nests.** Each, 15c; ½-doz., 75c; doz., \$1.50.

**Porcelain Nest Eggs,** 3c each; 2 for 5c; doz., 25c.

**Peerless Hot Water Drinking Fountain.** Price, \$1.50.

**Moe's Top Fill Drinking Fountain.** 1 gal., \$1.00; 2 gal., \$1.50; 4 gal., \$2.00.

**Prairie State Fountains.** Made of galvanized iron. 1 qt., each, 20c; doz., \$2.00; 1 gal., each 35c; doz., \$3.25; 2 qt., each, 25c; doz., \$2.75; 2 gal., each, 50c; doz., \$4.75.

**Vaughan's Earthenware Fountain.** Prices, 1 qt., each, 20c; doz., \$2.25; 2 qt., each, 30c; doz., \$3.35; 4 qt., each, 40c; doz., \$4.50.

**Vaughan's Grit and Shell Box.** Three compartments; very economical. Price, 50c; per doz., \$5.50.

**Hub Chick Feeder.** Absolutely sanitary. Price, 9-in. feeder, 35c; 15-in. feeder, 50c.

**Reliable Egg Carrier.** Compact and durable. A No. 1 Filler, each, 50c; per doz., \$4.25.

**Square Style Egg Carrier.** Per doz., 15c; 25 for 30c; 50 for 55c; 100 for \$1.00; 1000 for \$9.25.

All Wood Shipping Coops. Best on the market.					
No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	\$0.30	\$3.25
2	18	18	18	.35	3.65
3	12	21	21	.35	3.75
4	18	21	21	.40	4.50
5	24	21	21	.50	5.50
6	30	21	21	.55	6.00

#### PIGEON SUPPLIES

**Nest Bowls.** Clayor Fibre. Price, each 15c; doz. **\$1.25**.  
**Jersey Perch.** Best on the market. Each, 6c; doz., 65c.

**Vaughan's Pigeon Food.** Put up as follows:  
5-lb. cartons.....\$0.25 50-lb. sacks.....**\$1.50**  
25-lb. sacks.....**1.00** 100-lb. sacks.....**2.75**

**Foust's Health Grit.** An all-around condition powder. 5 lbs., 25c; 25 lbs., 75c; 50 lbs., \$1.15; 100 lbs., \$2.10.

#### POULTRY BOOKS

**The American Standard of Perfection.** Cloth...\$2.00  
**Farm Poultry Doctor.** By Dr. W. N. Sanborn... .50  
**Money in Broilers and Squabs.** By M. K. Boyer.

**Best Book Published.....** .50  
**Poultry Craft.** By J. H. Robinson. 272 pp.....**2.00**

**Poultry Account Book.....** .50  
**The Practical Poultry-Keeper.** By Lewis Wright.

300 pp. Profusely illustrated.....**2.00**  
**The Bantam Fowl.** By T. F. McGrew. Only complete Bantam Book. 60 illustrations.....**.50**

**999 Questions and Answers—On Poultry, Turkeys, Geese and Ducks, Diseases, Eggs, Incubators and Buildings.** By Frank Heck.....**.50**

**Reliable Poultry Remedies.** Full instructions, 64 pp. 5x6 inches. Price.....**.25**

**The Plymouth Rock—Barred, Buff and White.** By experts in breeding.....**1.00**

**The Wyandottes—Silver, Golden, White, Buff and Partridge.** By experts. 160 pp.....**1.00**

**NOTICE**—All poultry orders of \$3.00 and over are delivered free within 25 miles of our Chicago store (oyster shells and grit excepted unless accompanied by general order). Outside this limit prices F. O. B. Chicago. This does not apply to wholesale orders, nor goods in cases, sold on special quotations.

Prices of all grains subject to change without notice.

# Poultry Feeds and Condition Powders

## VAUGHAN'S GROUND BEEF SCRAPS

### Or Prepared Meat for Poultry

This is the finest thing to stimulate hens during the winter. Mix with the daily meal and feed three times a week at the rate of 1 oz. to each fowl.

100 lbs. ....\$3.50 25 lbs. ....\$1.15  
50 lbs. ....1.90 5 lbs. ....25

## VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, thus furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs. ....\$3.00 25 lbs. ....\$1.10  
50 lbs. ....1.80 5 lbs. ....25

## CRUSHED OYSTER SHELLS

100 lbs. ....\$0.85 25 lbs. ....\$0.25  
50 lbs. ....50 5 lbs. ....10

## CONKEY'S STARTING FOOD

3 lbs. ....\$0.25 6½ lbs. ....\$0.50

## GROUND BONE

200-lbs. ....\$5.75 25 lbs. ....\$0.90  
100 lbs. ....3.00 5 lbs. ....25  
50 lbs. ....1.75

## CHARCOAL

Coarse Ground or Granulated

100 lbs. ....\$2.25 10 lbs. ....\$0.50  
50 lbs. ....1.25 1 lb. ....10

## HULLED OATS

100 lbs. ....\$3.85 25 lbs. ....\$1.15  
50 lbs. ....2.00 4 lbs. ....25

## CRACKED CORN

Valuable for mixing and feeding with other grains.  
100 lbs. ....\$2.50 25 lbs. ....\$0.75  
50 lbs. ....1.25 5 lbs. ....20

## ALFALFA CLOVER MEAL

100 lbs. ....\$2.25 25 lbs. ....\$0.75  
50 lbs. ....1.25 10 lbs. ....40

## YANKEE CORN

100 lbs. ....\$2.75 25 lbs. ....\$0.90  
50 lbs. ....1.50 10 lbs. ....45  
5 lbs. ....25c

## HARD RED WHEAT FOR PIGEONS

Extra choice re-cleaned seed.  
100 lbs. ....\$3.35 50 lbs. ....\$1.75  
5 lbs. ....25c

## TARES OR VETCHES

Used extensively for feeding pigeons.  
100 lbs. ....\$5.25 25 lbs. ....\$1.60  
5 lbs. ....40c

## PRATT'S BABY CHICK FOOD

3 lbs. ....\$0.25 6½ lbs. ....\$0.50

## PHEASANT FOOD

Crissel or Prairie Meat  
100 lbs. ....\$6.00 25 lbs. ....\$1.65  
50 lbs. ....3.00 5 lbs. ....35

## Spratt's Game Meal

100 lbs. ....\$6.00 25 lbs. ....\$1.90  
50 lbs. ....3.25 5 lbs. ....40

# POULTRY REMEDIES

## CONKEY'S LICE LIQUID

The Mite requires entirely different treatment than the louse. No powder will entirely rid you of the Mite and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. The Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.



Price, 1 qt. can, 35c; ½ gal., 60c; gal., \$1.00  
Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt., 35c; 1 qt., 60c; 2 qt., 90c.  
Sandford's Liquid Lice Killer. Successfully exterminates lice. Price, 1 qt., 35c; ½ gal., 60c; 1 gal., \$1.00.

## CONKEY'S LAYING TONIC

Price, 1½-lb. pkg., 25c 3½-lb. pkg., 50c

## PRATT'S POULTRY FOOD

26-oz. pkg., ea., \$0.25 4-lb. pkg., ea., \$0.50  
26-oz. pkgs., per doz., \$2.50.

## GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb. ....\$0.35

## VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds; sore mouth, canker, sore eyes, sore breast, back or shoulders, cracked heels, thrush, wounds, sores, saddle galls and roup.

Large Bottle ....\$0.50  
Small Bottle ....25



Conkey's Head Lice Ointment. Price, 1 oz., 10c; 3 oz., 25c.

Sandford's Lice Powder. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., \$1.00.

Conkey's White Diarrhoea Remedy. Mailing weight, small, 4 oz.; large, 7 oz. Price, large box, 50c; small box, 25c.

Conkey's Roup Remedy. Mailing weight, small 5 oz.; large, 11 oz. Price, 50c and \$1.00, postpaid.

Conkey's Poultry Conditioner. A general invigorator. Mailing weight, 28 oz. Price, 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., \$1.00.

Conkey's Roup Pills. Very convenient for treating individual birds, large pkg., 175 pills, 50c; small pkg., 75 pills, 25c.

Conkey's Sore Head and Chicken Pox Remedy. Package containing ointment for sores and powder for internal treatment, small pkg., 25c; large pkg., 50c.

Conkey's Gape Cure. Per can, 50c.

Conkey's Scaly Legs Remedy. Per can, 50c.

Pratt's Roup Cure. Package, 25c; 50c; and \$1.00.

Pratt's White Diarrhoea Remedy. Package, 25c; larger, 50c.

Pratt's Sore Head and Chicken Pox Remedy. Package, 25c.

Pratt's Gape Remedy. Package, 25c.

Pratt's Condition Tablets. Package, 25c.

Pratt's Cholera Remedy. Package, 25c; larger, 50c.

Pratt's Lice Killer (Powder). 1-lb. can, 25c; 2½-lb. can, 50c.

Pratt's Lice Killer (Liquid). Quart, 35c; 2 qts., 60c.

## VAUGHAN'S SPECIAL REMEDIES

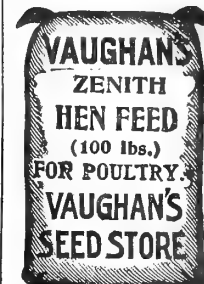
Used extensively by all who have tried them.

Zenith Roup Cure, 50c, \$1.00.

Magic Liquid Roup and Cholera Cure, 1 pint can, 50c.

## VAUGHAN'S

# ZENITH HEN FEED



Contains no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and

Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs. ....\$2.35 25 lbs. ....\$0.75  
50 lbs. ....1.25 10 lbs. ....35  
5 lbs. ....20c.

## VAUGHAN'S CHICK FEED

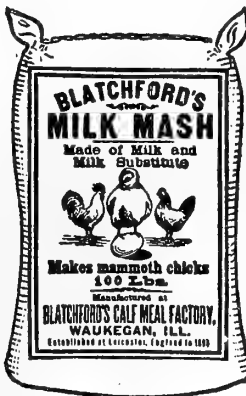
This contains all that is necessary for chickens until they are four or five months old, except water (or preferably skimmed milk) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages.



GRADES  
Fine. For chicks up to six weeks old.  
Coarse. For chicks 6 weeks to 4 months old.  
Chicks grow strong and healthy if fed with Vaughan's Chick Feed.

## NET PRICES

100-lb. bags ....\$2.50 25-lb. bags ....\$1.00  
50-lb. bags ....1.50 5-lb. carton ....25



## BLATCHFORD'S MILK MASH

Best substitute for milk. Contains dry milk, grains, bone meal, beef scrap, bran and grit, combined in the right proportion for baby chicks.

4 lb. pkg. ....\$0.25  
25-lb. sacks ....1.00  
100-lb. sacks ....3.35

## BLATCHFORD'S EGG MASH

Dry milk and ground grains, prepared so as to make a splendid everyday feed, and to stimulate egg production.

8½-lb. sacks ....\$0.30  
25-lb. sacks ....1.00  
100-lb. sacks ....3.00

## PURINA CHICKEN CHOWDER

A dry mash to be left in open hoppers at all times The more your poultry eats of this the better. It contains just the nutrients for rapid development, and large egg production.

8½-lb. sacks ....\$0.30  
25-lb. sacks ....1.00  
100-lb. sacks ....3.00

VAUGHAN'S SEED STORE issues a Special Poultry Catalogue showing a full line of Drinking Fountains, Hoppers, Grit Boxes, Feeders and Exercisers, Shipping Coops, Exhibition Coops, etc., from which much valuable information can be obtained for the poultrymen. This catalogue will be sent free for the asking.

Prices of all grains subject to change without notice.



Explanation of Table Below. Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

[illegible]

(Use Special Order Sheet attached for Plants, Trees, Shrubs, Etc.)

**43 Barclay Street, NEW YORK**

**31-33 West Randolph Street, CHICAGO**

Mark Zone Number Here

**Please do not Write Here**

Post Office.....State.....

County ..... Street, P. O. Box  
or Rural Delivery .....

**Express or Freight Office** { If different }  
 { from P. O. } ..... **Forward Goods by** .....  
 (Parcel Post, Express, Freight or Boat)

**(Loose money is not safe)**

**Draft or Check \$.....**

Postage Stamps \$.....

Make money orders or checks	Postage Stamps \$.....
payable to Vaughan's Seed Store	Cash - = = - \$.....

**Cash** = = = - \$.....

**See Inside Front Cover for our Special PREPAID OFFER, also Table of PARCEL POST RATES to different Zones.**

**Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.**

**More order blanks will be sent upon request. Always write letters on a separate sheet from your order.**

[illegible]

**If by mail, and PREPAID OFFER on inside cover does not apply, add postage for your Zone**

(OVER)

**and NURSERY  
STOCK only on  
this sheet**

use seeds or plants. 

COUNTY

STATE

See instructions in  
Catalogue,  
"HOW TO ORDER"

Date .....

Please do not write here.

**Your Name** .....  
(Very Plain)

Post Office.....P. O. Box.....


County.....State.....

Street No. .... Forward by .....  
(Mail, Express or Freight)

Express Office.....Name of Ex. Co.....

AMOUNT ENCLOSED

Cash, \$..... Money Order, \$.....

 **State how much money you enclose.**

Postage Stamps, \$..... Draft or Check, \$.....

**NOTICE**—We do not warrant in any way, expressed, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs, or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions we make this sale, at the moderate prices at which we sell our goods.

**Vaughan's Seed Store** (Incorporated).

[illegible]

**If by parcel post, and not quoted at prepaid prices, add 5c per plant and 20c per dozen for postage. No Nursery Stock sent C. O. D.**

 In making your order, please give the prices to avoid delay and errors.

[Over]

EIGHT

**PRICE**

Parcel  
Only

Dols. Cents

stage,

Total,	\$
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# Vaughan's Landscape Department



**To consult Vaughan's  
Landscape Department  
is the first step on the  
right road to Beautiful  
Home Grounds**

**WE** cannot emphasize too strongly the necessity of correct planning of landscape improvements in their entirety before any actual operations are begun. Haphazard planting without any definite end in view always results in disappointment and necessitates costly changes.

We are equipped to furnish the highest class of landscape service. Plans for residence grounds of moderate size can be furnished for a nominal charge, if we are supplied with a plat drawn to scale. For larger grounds and where more extensive improvements are contemplated, a personal visit will be necessary and can be arranged for on reasonable terms.

**From the front entrance, to the back  
yard, everything that a garden needs  
can be procured through the many  
departments of**

**VAUGHAN'S SEED STORE**

MAR 20 1917

# VAUGHAN'S GLADIOLI

BARON J.  
HULOT

MARGARET

ACAP

VAUGHAN'S  
PRINCE

KUNDERD  
GLORY



## MRS FRANK PENDLETON

The most distinct and impressive of the new kinds. In effect it is a large tinted white flower with giant deep carmine red blotch on lower petals, a very effective contrast. Flower and spike large and graceful. Most admired and best seller for two years. Highest award by Gladiolus Society.

Each 15c, 3 for 40c,  
doz. \$1.50

"Cover Collection"  
of  
GLADIOLI

The 6 DISTINCT KINDS  
shown here

1 each ( 6 bulbs) for 50c  
3 each (18 bulbs) for \$1.25

ALL PREPAID